Ina W. Van Noppen

APPALACHIAN STATE TEACHERS COLLEGE

CATALOG NUMBER

Announcements for

1961 - 1962

Volume LIX Number 2 March, 1961
BULLETIN OF APPALACHIAN STATE TEACHERS COLLEGE
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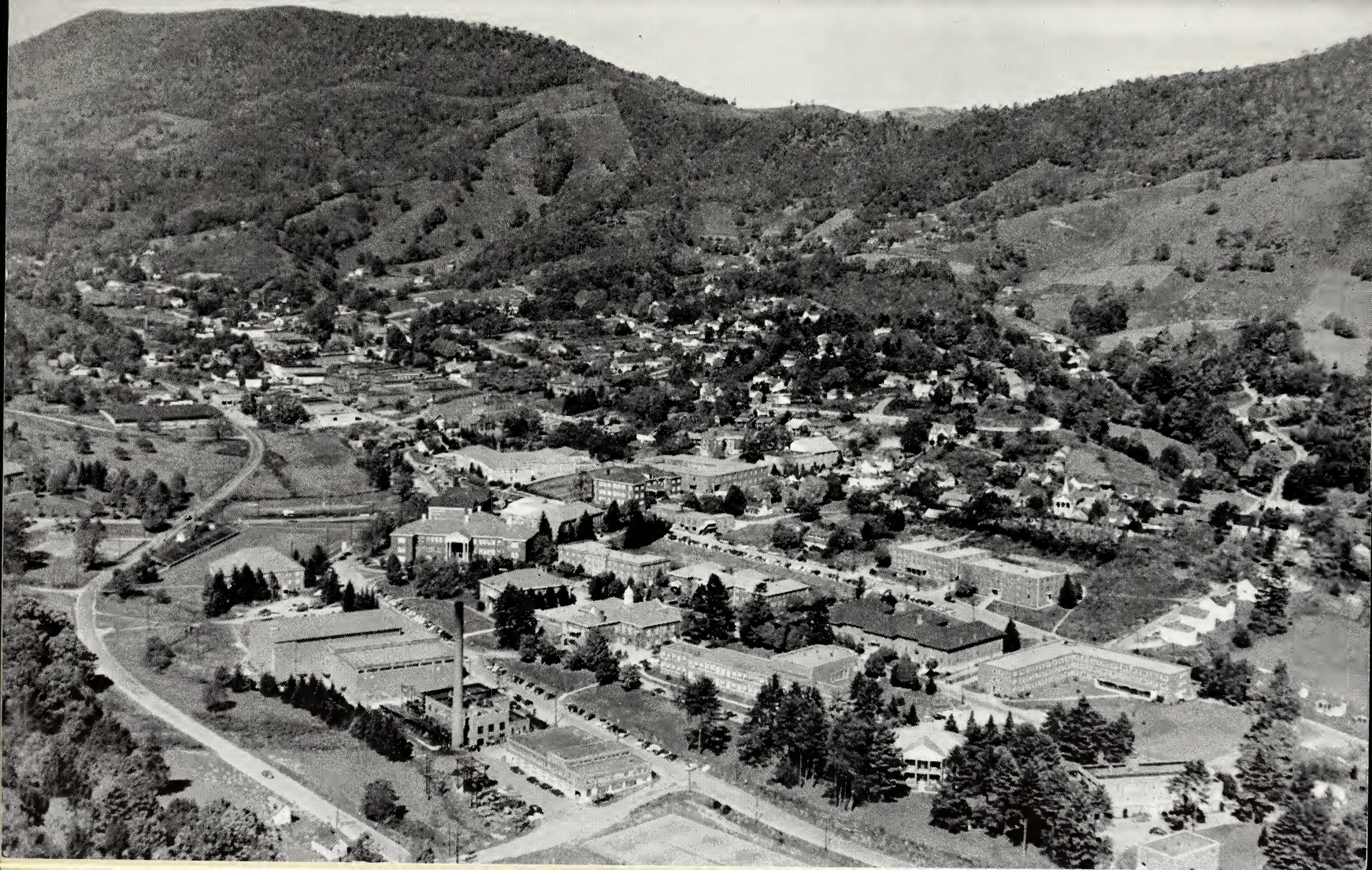

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BULLETIN OF

APPALACHIAN STATE TEACHERS COLLEGE

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Announcements for
1961 - 1962

BOONE, NORTH CAROLINA

WHOM TO WRITE

For further information, inquiries may be addressed to the appropriate office at Appalachian State Teachers College, Boone, North Carolina.

General Information and College Policy ..... *President*

Admissions, Catalogs, Records, Transcripts of Credits ..... *Registrar*

Business Affairs, Finances, and Veterans' Affairs ..... *Vice-President and Comptroller*

Academic Matters, Public Events, Student Welfare .. *Dean of the College*

Faculty Appointments and Instruction ..... *Dean of Instruction*

Graduate Studies ..... *Director of Graduate Studies*

Summer Sessions ..... *Director of Summer Sessions*

Foundations, "Heartline," Public Relations ..... *Director of Public Relations*

Teacher Placement ..... *Director of Placement*

Student Aid ..... *Committee on Student Scholarships and Financial Aid*

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COLLEGE CALENDAR 1961-1962

Fall Quarter 1961

Official opening, first Faculty meeting, 10:00 a.m., Tuesday ..... September 5

Dormitories open for freshmen, 12:00 noon, Tuesday ..... September 5

First meal in Cafeteria, 5:00 p.m., Tuesday ..... September 5

Freshman orientation program begins, Physical Education Building, 8:30 a.m., Wednesday ..... September 6

Freshman test and registration schedule to be announced, Wednesday .. September 6

Dormitories open for transfer students, 2:00 p.m., Friday ..... September 8

Transfer orientation, Administration, room 34, 10:00 a.m., Saturday .... September 9

Dormitories open for upperclassmen, 10:00 a.m., Sunday ..... September 10

Freshman classes begin, 8:00 a.m., Monday ..... September 11

Upperclass and graduate student registration, 8:30-5:00, Monday ..... September 11

Convocation, Physical Education Building, 10:00 a.m., Wednesday ..... September 13

Registration closes; classes must be met on Monday ..... September 18

Meeting of students expecting to do student teaching Winter quarter, Elementary School Auditorium, 4:15 p.m., Wednesday ..... September 20

National Teacher Examination dates to be announced .....

Homecoming ..... October 21

Mid-term reports due, Monday ..... October 23

Meeting of students expecting to do student teaching, 1962-63, Elementary School Auditorium, 4:15 p.m., Wednesday ..... November 8

Final examinations ..... November 16 (4:00 p.m.) 17, 18, 20, 21, 22

Quarter closes, 12:00 noon, Wednesday ..... November 22

Thanksgiving holidays ..... November 22-November 28

Winter Quarter 1961-1962

Registration, 8:30-5:00, Tuesday ..... November 28

Classes begin, 8:00 a.m., Wednesday ..... November 29

Registration closes; classes must be met on Tuesday ..... December 5

Convocation, Physical Education Building, 10:00 a.m., Thursday ..... December 14

Christmas holidays begin, 12:00 noon, Friday ..... December 15

Classes resume, 8:00 a.m., Wednesday ..... January 3

Meeting of students expecting to do student teaching Spring quarter, Elementary School Auditorium, 4:15 p.m., Wednesday ..... January 10

Mid-term reports due, Monday ..... January 22

Final examinations ..... February 26, 27, 28, March 1, 2

Quarter closes, 4:00 p.m., Friday ..... March 2

Spring Quarter 1962

Registration, 8:30-5:00, Thursday ..... March 8

Classes begin, 8:00 a.m., Friday ..... March 9

Meeting of students expecting to do student teaching Fall quarter, Elementary School Auditorium, 4:15 p.m., Wednesday ..... March 14

Registration closes; classes must be met on Thursday ..... March 15

Mid-term reports due, Monday ..... April 16

Convocation, Physical Education Building, 10:00 a.m., Wednesday ..... April 18

Easter holidays begin, 4:00 p.m., Friday ..... April 20

Classes resume, 8:00 a.m., Tuesday ..... April 24

Spring Festival ..... May 4-5

Final examinations ..... May 21, 22, 23, 24, 25

Quarter closes, 4:00 p.m., Friday ..... May 25

Commencement exercises, 3:00 p.m., Saturday ..... May 26

Summer Session 1962

First Term ..... June 7-July 13

Second Term ..... July 16-August 17

PERSONNEL

Board of Trustees

WILLIAM J. CONRAD, *Chairman* ..... Winston-Salem
KIDD BREWER, *Vice-Chairman* ..... Raleigh
C. WATSON BRAME ..... North Wilkesboro
B. C. BROCK ..... Mocksville
MRS. J. ED. BROYHILL ..... Lenoir
MRS. HARRY B. CALDWELL ..... Greensboro
GEORGE CORN ..... Shelby
L. A. DYSART ..... Lenoir
JOHN FRANK ..... Mount Airy
J. B. HAGAMAN, JR. ..... Boone
E. G. LACKEY ..... Winston-Salem
W. R. WINKLER, SR. ..... Boone

The President of the College serves as Secretary to the Board of Trustees and its Committees.

Executive Committee: W. R. WINKLER, SR., *Chairman,* C. WATSON BRAME, GEORGE CORN, JOHN FRANK, J. B. HAGAMAN, JR.

Administrative Officers

WILLIAM HOWARD PLEMMONS, A.B., A.M., Ph.D., LL.D. (1955) ..... *President*
JAMES DANIEL RANKIN, A.B., A.M., D.S.T.D. (1921) ..... *President Emeritus*
DAVID BARNARD DOUGHERTY, B.S. (1929) ..... *Vice-President and Comptroller*
DANIEL JAY WHITENER, A.B., M.A., Ph.D. (1932) ..... *Dean of the College*
HERMAN ROLAND EGGERS, A.B., M.A. (1929) ..... *Registrar*
JOHN FALLAW BOZARD, B.A., M.A., Ph.D. (1957) ..... *Dean of Instruction*
CRATIS DEARL WILLIAMS, A.B., M.A., Ph.D. (1942) ..... *Director of Graduate Studies*
JAMES EDGAR STONE, B.S., M.S., Ed.D. (1954) ..... *Director of Summer Sessions and Extension*
MAXIE GREENE EDMISTEN, B.S., M.A. (1956) ..... *Dean of Women*
JOHN ZEB KIRK, JR., B.S., M.A. (1950) ..... *Dean of Men*
WILLIAM LEONARD EURY, A.B., B.S. in L.S., M.S. in L.S. (1929) ..... *Librarian*
ROBERT TRAWICK ALLEN, JR., A.B. (1960) ..... *Director of Foundations, Public Relations and News Bureau*
JAMES BRAXTON HARRIS, A.B., M.A., Ed.D. (1958) ..... *Assistant Registrar*

Faculty Councils

The President, Vice-President and Comptroller, and Dean of the College are members, *ex-officio,* of all Faculty Councils and Committees.

The first name on a council or committee designates the chairman.

Administrative: W. H. Plemmons, R. T. Allen, Jr., J. F. Bozard, D. B. Dougherty, H. R. Eggers, J. D. Rankin, James E. Stone, D. J. Whitener, Cratis D. Williams.

Graduate: Cratis D. Williams, J. F. Bozard, F. R. Derrick, G. P. Eggers, H. R. Eggers, W. E. Fulmer, Ben H. Horton, Jr., John T. Howell, Isabel Jones, Ila T. Justice, W. G. Spencer, James E. Stone, O. R. Sutton, M. L. Walters, J. T. C. Wright, J. C. Yoder.

School: W. H. Plemmons, D. J. Whitener (vice-chairman), Maxie G. Edmisten, H. R. Eggers, Francis Hoover, John Kirk, Eloise C. Melton. Also, five senior representatives from the Student Council, including the President of the Student Body.

Summer Session: James E. Stone, Roy R. Blanton, Jr., J. F. Bozard, F. R. Derrick, Ben H. Horton, Jr., John T. Howell, Eunice Query, W. G. Spencer, R. W. Watkins, Cratis D. Williams, J. C. Yoder.

Faculty Committees

Admissions: H. R. Eggers, J. B. Harris, David Middleton, U. Foster Park, J. Frank Randall, James E. Stone.

Appalachian School Camp, Incorporated: Membership on this committee is determined by the charter of the camp, as follows: Principal, Appalachian High School; one other member of the high school faculty to be appointed by the principal; Superintendent, Watauga County Schools, Chairman, Boone School District Committee; and the following from Appalachian State Teachers College: Vice-President and Comptroller, heads of departments of biology, health and physical education, music, director of student teaching, director of graduate studies, and two appointed by the President.

Artists and Lecture Series: Francis Cook, Howard S. Decker, Edwin Dougherty, Daisy Eggers, David French, Charles L. Isley, Jr., W. G. Sink, Ina W. Van Noppen, Mary Jo Walkup, Rogers Whitener, Cratis D. Williams. Also, a representative from the Student Council, a student representative from each class, a representative from Chi Lambda Chi, and a representative from The Playcrafters.

Assembly: John G. Barden, J. Paul Bagley, Eric DeGroat, J. Max Dixon, Elizabeth Fox, Robert Fracker, John A. Pritchett, Jr., and two students each from freshman, sophomore, junior, and senior classes.

Athletics: Leo K. Pritchett, Walton Cole, W. E. Fulmer, Roger Thomas, J. T. C. Wright.

Awards for Advanced Graduate and Professional Study: Cratis D. Williams, R. T. Allen, Jr., I. W. Carpenter, Jr., W. E. Fulmer, Edward H. Gibson, III, John Van Noppen, III.

College Publications: J. R. Melton, J. F. Bozard, John Corey, Howard S. Decker, Isabel Jones, James E. Stone, Ina W. Van Noppen.

Curriculum: J. F. Bozard, Howard S. Decker, F. R. Derrick, G. P. Eggers, H. R. Eggers, Ben H. Horton, Jr., Ila T. Justice, J. Roy Prince, Madge Rhyne, W. G. Sink, Catherine Smith, W. F. Smith, W. G. Spencer, James E. Stone, O. R. Sutton, M. L. Walters, Cratis D. Williams, J. T. C. Wright, J. C. Yoder.

Library: W. F. Smith, Beulah Campbell, Nicholas Erneston, W. L. Eury, Edward H. Gibson, III, Walter Hawkinson, D. R. Hodgin, Ila T. Justice, Uberto Price, J. Frank Randall, Kathryn Tully, M. L. Walters.

Orientation and Counseling: J. Paul Bagley, Rena Hoover, J. B. Harris, David French, U. Foster Park, Uberto Price, Lee Reynolds, Kent Robinson.

Readmissions and Academic Discipline: D. J. Whitener, Maxie G. Edmisten, H. R. Eggers, Francis Hoover, John Kirk, Eloise C. Melton.

Registration: H. R. Eggers, J. Paul Bagley, J. F. Bozard, F. R. Derrick, G. P. Eggers, J. B. Harris, James E. Stone, Ned Trivett, Cratis D. Williams.

Schedules: J. C. Yoder, J. F. Bozard, G. T. Buckland, Grace M. Councill, Carl Meeks, Lee Reynolds, LeBrun Smith.

Student Publications: G. P. Eggers, Ruby Akers, Maxie G. Edmisten, Howard S. Decker, J. F. Jones, Rogers Whitener, Cratis D. Williams, the President of the Student Council, Editor and Business Manager of The Appalachian, Editor and Business Manager of The Rhododendron.

Student Scholarships and Financial Aid: D. B. Dougherty, Howard Cottrell, Maxie G. Edmisten, H. R. Eggers, W. L. Eury, Allie Hodgin, John Kirk, John Welborn.

Student Social Affairs: J. Max Dixon, Ronnie Brooks, Eric DeGroat, Maxie G. Edmisten, Elizabeth Fox, Martha Hawkinson, Rena Hoover, John Kirk, Merle Ramer, Roger Thomas, the President of the Student Council, President of Chi Lambda Chi, Presidents of Freshman, Sophomore, Junior, and Senior classes, President of Women's House Council, President of Newland Hall, President of Justice Hall, Editor or representative of The Appalachian.

Student Teaching and Placement: Ben H. Horton, Jr., Ruby Akers, Roy R. Blanton, Jr., G. T. Buckland, W. E. Fulmer, John T. Howell, J. Roy Prince, Robert Randall, O. R. Sutton, M. L. Walters.

Traffic and Parking: Starr Stacy, Ronnie Brooks, Howard Cottrell, John Kirk, R. W. Watkins, four student representatives to be appointed upon recommendation of the Student Council.

The Faculty

With the exception of the President the members of the faculty are listed alphabetically with the year of appointment given after each name.

WILLIAM HOWARD PLEMMONS (1955) ..... *President*
A.B., LL.D., Wake Forest College; A.M., Duke University; Ph.D., University of North Carolina.

RUBY LAVELLE AKERS (1960) ..... *Assistant Professor of English*
A.B., Mary Hardin-Baylor College; M.A., Appalachian State Teachers College.

MOHAMMED ADNAN ALAMUDDEEN (1960) ..... *Instructor in Biology*
B.S., University of Illinois; M.S., University of Cairo; Ph.D., Virginia Polytechnic Institute.

GELENE ANDREWS ATWOOD (1956) ..... *Instructor in Chemistry*
A.B., Woman's College of the University of North Carolina.

JOHN PAUL BAGLEY (1959) ..... *Assistant Professor of Education and Director of Counseling Services*
B.S., University of Tampa; M.A., Appalachian State Teachers College.

JOHN GLENN BARDEN (1944) ..... *Professor of Education*
A.B., University of North Carolina; A.M., Teachers College, Columbia University; Ph.D., Columbia University.

ANNIE MAE BLACKBURN (1956) ..... *Instructor in Business Education*
B.S., M.A., Appalachian State Teachers College.

BEN GESS BOSWORTH, JR. (1960) ..... *Assistant Professor of Education*
B.S.Ed., M.A., Ed.D., University of Virginia.

JOHN FALLAW BOZARD (1957) ..... *Professor of English and Dean of Instruction*
B.A., Furman University; M.A., University of Virginia; Ph.D., Cornell University.

LUCY BROCK * (1938) *Professor and Chairman of the Department of Home Economics*
A.B., B.S., M.S. in H. E., University of Tennessee.

RONNY LEONARD BROOKS (1957) ..... *Director of Recreation and Men's Intramurals*
B.S., North Carolina State College.

JOSEPH EUGENE BRYSON (1960) ..... *Assistant Professor of Education*
A.B., Elon College; M.Ed., Woman's College of the University of North Carolina; D.Ed., Duke University.

GOLDEN THADDEUS BUCKLAND (1949) ..... *Professor of Mathematics*
B.S., M.A., Appalachian State Teachers College; D.Ed., The Pennsylvania State University.

HELEN BURCH (1942) ..... *Professor of Geography*
A.B., Woman's College of the University of North Carolina; M.A., George Peabody College for Teachers.

WILLIAM HENRY BURDICK (1960) ..... *Assistant Professor of Economics*
B.S.C., Grove City College; M.B.A., New York University.

BEULAH CAMPBELL (1957) ..... *Associate Professor of Education*
A.B., M.A., Western Kentucky State Teachers College.

IRVIN WATSON CARPENTER, JR. (1953) ..... *Associate Professor of Biology*
B.S., M.S., Ph.D., Purdue University.

JESSIE LUELLA CARPENTER (1954) ..... *Instructor in Speech*
A.B., DePauw University; M.S., Purdue University.

EDWARD TRAYLOR CHANDLER (1960) ..... *Instructor in Physical Education and Assistant Coach*
B.S., Davidson College.

WALTON SMITH COLE (1951) ..... *Associate Professor of Music*
B.A., Southwestern at Memphis; M.M., University of Arizona.

FRANCIS CONNOR COOK (1952) ..... *Associate Professor of English*
B.A., M.A., University of Texas.

JOHN FARIS COREY (1958) ..... *Instructor in Education and Executive Secretary of the Alumni Association*
B.S., M.A., Appalachian State Teachers College.

GRACE MCNINCH COUNCILL (1956) ..... *Associate Professor of Education*
B.S., Appalachian State Teachers College; M.A., University of North Carolina.

HOWARD SEELEY DECKER (1959) ..... *Professor and Chairman of the Department of Industrial Arts*
B.S., M.S., State University of New York; M.A., Ed.D., Teachers College, Columbia University.

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* Retired, 1960-61.

ERIC BROOKS DEGROAT (1959) ..... *Assistant Professor of Physical Education*
B.S., Springfield College; M.A., New York University.

FINNIS RAY DERRICK (1946) .... *Professor and Chairman of the Department of Biology*
B.S., M.S., Ph.D., University of South Carolina.

JEFFERSON MAX DIXON (1956) ..... *Associate Professor of History*
A.B., M.A., Emory University; Ph.D., George Peabody College for Teachers.

EDWIN SHULL DOUGHERTY (1938) ..... *Professor of History*
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers.

JAMES HAMPTON DUNCAN (1959) ..... *Instructor in Physical Education and Coach of Football*
B.S., Wake Forest College.

DAISY WILLIAMS EGGERS (1954) ..... *Instructor in English*
B.S., M.A., Appalachian State Teachers College.

GRAYDON POE EGGERS (1927) .... *Professor and Chairman of the Department of English*
B.A., Carson-Newman College; M.A., Ph.D., Duke University.

HERMAN ROLAND EGGERS (1929) ..... *Professor of Social Studies and Registrar*
A.B., Carson-Newman College; M.A., George Peabody College for Teachers.

NICHOLAS ERNESTON (1948) ..... *Associate Professor of Music*
B.M. Ed., Shenandoah Conservatory: M.M., Cincinnati Conservatory of Music.

ELIZABETH FOX (1957) ..... *Assistant Professor of Music*
B.M., M.M. Ed., North Texas State College.

ROBERT GRANGER FRACKER (1959) ..... *Instructor in Education*
B.S., East Tennessee State College; M.A., Appalachian State Teachers College.

DAVID ARTHUR FRENCH (1959) ..... *Assistant Professor of Speech*
B.S., Kansas State Teachers College; M.F.A., Yale University.

WILLIAM EDMUND FULMER (1955) ..... *Associate Professor of Education*
A.B., Catawba College; Ed.M., University of South Carolina; Ed.D., University of Missouri.

EDWARD HIRAM GIBSON, III (1959) ..... *Professor of History*
A.B., M.A., Ph.D., University of North Carolina.

NOLIE LEE GILBERT (1958) ..... *Instructor in Foreign Languages*
A.B., West Virginia University; M.A., Emory University.

JAMES BRAXTON HARRIS (1958) ..... *Assistant Professor of Education and Assistant Registrar*
A.B., Lenoir Rhyne College; M.A., Appalachian State Teachers College; Ed.D., Indiana University.

MARTHA GREY HAWKINSON (1955) ..... *Assistant Professor of Business Education*
B.A., B.S.S.A., Queens College; M.A., Appalachian State Teachers College.

WALTER AXEL HAWKINSON (1945) ..... *Associate Professor of Mathematics*
B.S., Washington and Jefferson College; M.A., Appalachian State Teachers College.

WALTER HEEB, JR. (1959) ..... *Instructor in Education*
B.S., M.A., East Tennessee State College.

CLEONE HAYNES HODGES (1938) .. *Associate Profesor of Health and Physical Education*
A.B., Northwestern State College; M.S., Louisiana State University.

DAVID REID HODGIN (1946) ..... *Associate Professor of English*
A.B., A.M., University of North Carolina.

FRANCIS LENTZ HOOVER (1945) ..... *Professor of Health and Physical Education*
B.S., Appalachian State Teachers College; M.A., University of North Carolina; Dir.P.E., D.P.E., Indiana University.

RENA CALDWELL HOOVER (1955) ..... *Instructor in History*
A.B., Coker College; M.A., Appalachian State Teachers College.

BEN HASKEL HORTON, JR. (1950) ..... *Professor and Chairman of the Department of Education*
B.S., M.A., Appalachian State Teachers College; Ed.D., Florida State University.

EARNY PIERRE HOTARD, JR. (1959) ..... *Instructor in Music*
B.M., Louisiana State University; M.M., Indiana University.

VANCE CYRUS HOWELL (1923) ..... *Professor of Social Studies*
A.B., Wake Forest College; A.M., Columbia University.

CHARLES LEE ISLEY, JR. (1958) ..... *Associate Professor of Music*
B.S., Davidson College; M.A., Appalachian State Teachers College.

HENRY BROADUS JONES (1959) ..... *Professor of English*
B.A., Wake Forest College; M.A., Ph.D., University of Chicago.

CLYDE JONES (1960) ..... *Instructor in English*
B.A., Furman University; M.A., George Peabody College for Teachers.

ISABEL FLEMING JONES (1953) ..... *Associate Professor of Education*
B.S.Ed., M.Ed., Ed.D., University of Virginia.

JAMES FREDERICK JONES (1956) ..... *Assistant Professor of Business Education and Business Manager of Athletics*
A.B., Elon College; M.A., East Carolina College.

WILLIAM JOHN JONES (1954) ..... *Assistant Professor of Music*
A.B., Taylor University; B.S.Ed., M.A., Wayne University; Ph.D., Northwestern University.

ILA TAYLOR JUSTICE (1949) ..... *Associate Professor and Chairman of the Department of Library Science*
A.B., Berea College; B.S. in L.S., M.E. in L.S., George Peabody College for Teachers.

JOHN MITCHELL JUSTICE (1946) ..... *Associate Professor of History*
A.B., A.M., University of North Carolina.

VERNA KIMLER (1960) ..... *Assistant Professor of Mathematics*
B.A., Knox College; M.A., Duke University.

JOHN ZEB KIRK, JR. (1950) ..... *Assistant Professor of History and Dean of Men*
B.S., M.A., Appalachian State Teachers College.

VERNA LAGRONE (1958) ..... *Instructor in Home Economics*
B.A., University of Mississippi; M.S., University of Tennessee.

MARGARET NELDA LAWSON (1958) ..... *Instructor in Physical Education*
B.S., M.A., Appalachian State Teachers College.

ROBERT GEORGE LIGHT (1957) ..... *Assistant Professor of Physical Education and Coach of Basketball*
B.S., M.S., Washington University.

VIRGINIA WARY LINNEY (1929) ..... *Professor of Music*
B.M., University of Nebraska; M.M., Cincinnati Conservatory of Music.

PAUL EVANS LOVINGOOD, JR. (1960) ..... *Associate Professor of Geography*
A.B., M.A., University of North Carolina.

CARL GARNETT MEEKS (1958) ..... *Associate Professor of Physical Education*
B.S., East Tennessee State College; M.A., University of Mississippi; Ed.D., Columbia University.

ELOISE CAMP MELTON (1944) ..... *Instructor in History*
A.B., East Carolina College; M.A., George Peabody College for Teachers.

JACK ROBERT MELTON (1950) ..... *Professor of Education*
A.B., A.M., Duke University; Ph.D., University of North Carolina.

DAVID JOHN MIDDLETON (1958) ..... *Assistant Professor of Education*
A.B., Duke University; M.Ed., Ph.D., University of North Carolina.

WILLIAM JOSEPH MOFFETT (1960) ..... *Instructor in History*
A.B., University of North Carolina; M.A., Appalachian State Teachers College.

ALLEN GUY MONTGOMERY (1946) ..... *Professor of Mathematics*
A.B., A.M., West Virginia University.

FRANK BRACKETT NORTHUP (1958) ..... *Instructor in Mathematics*
B.S., M.A., Appalachian State Teachers College.

OSCAR PAUL ORR (1960) ..... *Assistant Professor of Education*
B.S.Ed., Radford College; M.S.Ed., University of Tennessee.

ULNA FOSTER PARK (1958) ..... *Assistant Professor of English*
A.B., Duke University; M.A., University of Tennessee.

MARSHALL KENT POWERS (1960) ..... *Professor of History*
A.B., Marietta College; M.A., University of Colorado; Ph.D., University of Florida.

UBERTO PRICE (1955) ..... *Associate Professor of Education and Director of Reading*
B.S., Eastern Kentucky State College; M.A., Western Kentucky State College.

JAMES ROY PRINCE (1960) ..... *Professor and Chairman of the Department of Foreign Languages*
B.A., University of South Carolina; M.A., Ph.D., University of North Carolina.

JOHN ALFRED PRITCHETT, JR. (1956) ..... *Associate Professor of Education and Director of Audio-Visual Center*
A.B., M.A., George Peabody College for Teachers.

LEO KLUTTZ PRITCHETT (1947) ..... *Professor of History*
A.B., Davidson College; M.Ed., Duke University.

MARY EUNICE QUERY (1947) ..... *Associate Professor of Library Science*
A.B., Duke University; A.B. in L.S., University of North Carolina; M.A., Appalachian State Teachers College.

ELDA MERLE RAMER (1959) ..... *Assistant Professor of Home Economics*
B.S., Iowa State University; M.S., University of Tennessee.

BEATRIX BLANTON RAMEY (1958) ..... *Instructor in Education*
B.S., Appalachian State Teachers College; M.A., University of North Carolina.

JOHN FRANK RANDALL (1957) ..... *Associate Professor of Biology*
A.B., University of North Carolina; M.S., University of Michigan; Ph.D., University of South Carolina.

ROBERT LEE RANDALL (1960) ..... *Assistant Professor of Education and Director of Placement*
B.S., East Tennessee State College; M.A., University of North Carolina; C.A.S., Harvard University.

LEE FRANCIS REYNOLDS (1946) ..... *Professor of Education*
B.S., M.A., Ball State Teachers College; Ed.D., Indiana University.

MADGE MOZELLE RHYNE (1947) ..... *Assistant Professor and Chairman of the Department of Home Economics*
B.S., M.S., Woman's College of the University of North Carolina.

JANE MARGARET RINER (1956) ..... *Assistant Professor of Business Education*
B.S., M.A., Appalachian State Teachers College.

KENT ROBINSON (1956) ..... *Assistant Professor of Biology and General Science*
B.S., M.A., Appalachian State Teachers College.

WILLIAM HOYT SAFRIT (1950) ..... *Associate Professor of Music*
B.S., M.A., Appalachian State Teachers College.

GEORGE LIPPARD SAWYER (1927) ..... *Professor of Sociology*
A.B., Lenoir Rhyne College; M.A., University of North Carolina.

NOLLIE WILBOURNE SHELTON (1959) ..... *Associate Professor of Education*
B.S., College of William and Mary; M.A., University of North Carolina.

LORIS SHIPMAN (1946) ..... *Associate Professor of English*
B.S., Meridian College; B.S., M.A., George Peabody College for Teachers.

DONALD WOODFIN SINK (1960) ..... *Instructor in Chemistry*
A.B., Catawba College.

WOODFORD GRADY SINK (1959) ..... *Professor and Chairman of the Department of Chemistry*
A.B., Catawba College; Ph.D., University of North Carolina.

CATHERINE JEANETTE SMITH (1941) ..... *Associate Professor and Chairman of Department of Art*
B.S., M.A.Ed., Oklahoma University.

LE BRUN NOURSE SMITH (1960) ..... *Instructor in Geology*
B.S., M.S., University of South Carolina.

WILEY FRANCIS SMITH (1936) ..... *Professor of Psychology*
A.B., Union University; M.A., Ph.D., George Peabody College for Teachers.

WILLIAM GILBERT SPENCER (1951) ..... *Associate Professor and Chairman of the Department of Music*
B.M.Ed., Northwestern University; M.A., Ed.D., Columbia University.

STARR NEELY STACY, JR. (1935) ..... *Professor of Mathematics and Physics*
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers.

JAMES EDGAR STONE (1954) ..... *Associate Professor of Education and Director of Summer Sessions and Extension*
B.S., M.S., Western Illinois State College; Ed.D., University of Illinois.

ORUS RICHARD SUTTON (1959) ..... *Associate Professor and Chairman of the Department of Business Education*
B.S., Tennessee Polytechnic Institute; M.A., Northwestern University.

JEFFERSON DAVIS SWINEBROAD (1960) ..... *Associate Professor of Economics*
A.B., University of Tennessee; M.A., University of Colorado.

FREDERIC LEE TARLETON (1960) ..... *Assistant Professor of Mathematics*
B.S.E.E., North Carolina State College.

ROGER EVAN THOMAS (1950) ..... *Associate Professor of Physical Education*
B.S., M.Ed., Springfield College.

REBECCA MCCOTTER TOMLINSON (1960) ..... *Assistant Professor of Physical Education*
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers; D.P.E., Indiana University.

SAMUEL BOYCE TRAVIS (1960) ..... *Instructor in Mathematics*
B.S., M.A., Appalachian State Teachers College.

KATHRYN CROFT TULLY (1955) ..... *Assistant Professor of Business Education*
A.B., Concord College; M.A., Teachers College, Columbia University.

INA FAYE WOESTEMEYER VAN NOPPEN (1947) ..... *Professor of History*
B.S., University of Kansas; M.A., Ed.D., Teachers College, Columbia University.

JOHN JAMES VAN NOPPEN (1947) ..... *Professor of English*
A.B., University of North Carolina; M.A., Ed.D., Teachers College, Columbia University.

TEUNIS VERGEER (1960) ..... *Professor of Biology*
A.B., Calvin College; M.S., Ph.D., University of Michigan.

MARY COLEMAN WALKUP (1960) ..... *Instructor in Physical Education*
B.S., University of Houston; M. S., Springfield College.

MARSHALL LEROY WALTERS (1958) ..... *Professor and Chairman of Department of Health and Physical Education*
B.S., George Williams College; M.A., New York University.

MARYO WALTERS (1958) ..... *Instructor in Foreign Languages*
B.S., Florida State University.

ROBERT WILLIAM WATKINS (1932) ..... *Professor of Physical Education*
B.S., Maryville College; M.A., George Peabody College for Teachers.

VIVIAN WOOD WELBORN (1944) ..... *Assistant Professor of Home Economics and Dietitian*
B.S., Georgia State College for Women; M.S., University of Tennessee.

DANIEL JAY WHITENER (1932) ..... *Professor of History and Dean of the College*
A.B., M.A., Ph.D., University of North Carolina.

ROGERS VANCE WHITENER (1959) ..... *Associate Professor of English*
B.S., Appalachian State Teachers College; M.A., University of Florida.

CRATIS DEARL WILLIAMS (1942) ..... *Professor of English and Director of Graduate Studies*
A.B., M.A., University of Kentucky; Ph.D., New York University.

ELIZABETH RUCKER WILLIAMS (1951) ..... *Instructor in Art*
B.S., Longwood State Teachers College.

JAMES THOMAS CARR WRIGHT (1920) ..... *Professor and Chairman of Department of Mathematics*
A.B., University of North Carolina; A.M., Ph.D., George Peabody College for Teachers.

JULIAN CLIFTON YODER (1933) ..... *Professor and Chairman of Department of Social Studies*
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers; Ph.D., University of North Carolina.

Library Staff

EMMA H. MOORE (1915) ..... *Librarian Emeritus*

WILLIAM LEONARD EURY (1929) ..... *Librarian*
A.B., Duke University; B.S. in L.S., M.S. in L.S., George Peabody College for Teachers.

RICHARD THOMAS BARKER (1956) ..... *Circulation Librarian*
B.S., M.A., Appalachian State Teachers College.

DOROTHY BARBER BARKER (1959) ..... *Curriculum Laboratory*
B.S., M.A., Appalachian State Teachers College.

ALLIE AUSTIN HODGIN (1934) ..... *Reference Librarian*
B.S., Appalachian State Teachers College; B.S. in L.S., George Peabody College for Teachers.

MARY ALICE HUFF (1942) ..... *Cataloguer*
A.B., Limestone College; B.S. in L.S., George Peabody College for Teachers.

WILLIAM LAWRENCE RHYNE (1960) ..... *Assistant Librarian*
A.B.Ed., A.B. in L.S., M.A., University of North Carolina.

ZEB VANCE SHOOK (1953) ..... *Order Librarian*
B.S., M.A., Appalachian State Teachers College.

VERA COOKE TUNNELL (1943) ..... *Periodicals Librarian*
Appalachian State Teachers College.

Laboratory Schools

High School

ROY RUSSELL BLANTON, JR. (1949) ..... *Principal*
B.S., M.A., Appalachian State Teachers College; Ed.D., Indiana University.

JOHN EARL BRITTAIN (1958) ..... *Trades and Industry*
North Carolina State College.

WALTER THOMAS BROYHILL (1959) ..... *Science*
B.S., Appalachian State Teachers College.

VERLIN OLAF COFFEY (1955) ..... *Foreign Languages*
B.A., M.Ed., University of South Carolina.

KATHLEEN MCDONALD DOUGHERTY (1948) ..... *Home Economics*
B.S., M.S., Auburn University.

ELIZABETH EVELYN ELLIOTT (1958) ..... *English*
B.S., East Tennessee State College; M.A., George Peabody College for Teachers.

RICHARD STEVE GABRIEL (1955) ..... *Mathematics*
B.S., M.A., Appalachian State Teachers College.

MARGARET ENGLISH GRAGG (1941) ..... *English and Director of Guidance*
B.S., M.A., Appalachian State Teachers College.

JACK WILLIAM GROCE (1955) ..... *Physical Education*
B.A., M.A., Appalachian State Teachers College.

BETTY JEAN HUGHES (1960) ..... *English*
B.S., M.A., Appalachian State Teachers College.

VERNA LOUISE HURD (1959) ..... *Business Education*
B.S., East Tennessee State College; M.A., George Peabody College for Teachers.

DORIS LORRAINE JONES (1960) ..... *English*
B.A., Georgetown College; M.A. East Tennessee State College.

GEORGE WILLIAM KIRSTEN, JR. (1960) ..... *Instrumental Music*
A.B., Lenoir Rhyne College; M.A., Appalachian State Teachers College.

NORMAN SHUFORD LACKEY (1958) ..... *Trades and Industry*
North Carolina State College.

HARLAN EDWARD LEDFORD (1959) ..... *Business Education*
B.S., M.A., East Tennessee State College.

EDITH WALKER MADISON (1959) ..... *Reading*
B.S., Appalachian State Teachers College; M.A., University of North Carolina.

KATIE JANE PETERSON (1958) ..... *English*
A.B., University of Tennessee; M.A., George Peabody College for Teachers.

LERA BRITT RANDALL (1957) ..... *Librarian*
B.A., Carson-Newman College; M.A., Appalachian State Teachers College.

WILLIAM CLAYWELL ROSS, JR. (1950) ..... *Social Studies*
B.S., M.A., Appalachian State Teachers College.

MARY LILLIAN SCHELL (1955) ..... *Physical Education*
A.B., Catawba College; M.A., George Peabody College for Teachers.

ROBERT EARL SNEAD (1956) ..... *Science*
B.S., M.A., Appalachian State Teachers College.

REGINALD LAWRENCE TAIT (1945) ..... *Vocational Agriculture*
B.S., M.S., Auburn University.

LACY MORGAN VENABLE (1957) ..... *Social Studies and Assistant Principal*
A.B., High Point College; M.Ed., University of North Carolina.

DONALD WILLIAM WHELAN (1960) ..... *Mathematics*
B.S., M.A., Appalachian State Teachers College.

JAMES EUGENE WILSON, JR. (1958) ..... *Social Studies and Music*
B.S., M.A., Appalachian State Teachers College.

Elementary School

JOHN TATUM HOWELL (1930) ..... *Principal*
B.S., Appalachian State Teachers College; M.A., M.Ed., George Peabody College for Teachers.

ELLA AUSTIN BESHEARS (1935) ..... *Second Grade*
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers.

EDWARD LEE BLACK (1960) ..... *Physical Education*
B.S., M.S., Appalachian State Teachers College.

ROBERT TURNER BLAZIER (1958) ..... *Seventh Grade*
B.A., Johnson Bible College; B.S., M.S., University of Tennessee.

LEA BLANTON BROOME (1947) ..... *Third Grade*
B.S., M.A., Appalachian State Teachers College.

GRACE YOUNG BUCKLAND (1948) ..... *Fifth Grade*
B.S., M.A., Appalachian State Teachers College.

VELMA MAYES COTTRELL (1948) ..... *First and Second Grades*
B.S., M.A., Appalachian State Teachers College.

BESS SCOGGINS CRAWFORD (1946) ..... *Second Grade*
B.S., M.A., Appalachian State Teachers College.

ENNIS DAVIS (1945) ..... *Third and Fourth Grades*
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers.

ROBERT CARL DAY (1951) ..... *Eighth Grade*
B.S., M.A., Appalachian State Teachers College.

CLYDE MAE GOODMAN (1932) ..... *Fourth Grade*
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers.

MARY FAULK HAMBY (1947) ..... *Eighth Grade*
B.S., Flora Macdonald College; M.A., Appalachian State Teachers College.

MARY FARABEE HIGH (1959) ..... *First Grade*
A.B., Catawba College; M.A., Appalachian State Teachers College.

LOUISE WINGATE HORTON (1948) ..... *Sixth Grade*
B.S., Woman's College of the University of North Carolina; M.A., Appalachian State Teachers College.

RUBY JEAN LANIER (1959) ..... *Fourth Grade*
A.B., Lenoir Rhyne College; M.A., Appalachian State Teachers College.

JONNIE MASHBURN MILLER (1960) ..... *Fifth Grade*
B.S.Ed., M.S., University of Tennessee.

JESSIE DE BERRY PEASE (1955) ..... *Librarian*
A.B., Stetson University; M.A., Appalachian State Teachers College.

EARL LANCASTER PETREY (1949) ..... *Seventh Grade and Assistant Principal*
B.S., Union College; M.A., Eastern Kentucky State College.

CHARLES ELIZABETH PUTNAM (1953) ..... *First Grade*
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers.

ROBERT WELLINGTON RAMSEY (1960) ..... *Eighth Grade*
B.S., Western Carolina College; M.A., East Tennessee State College.

ELIZABETH MERCER RANDALL (1960) ..... *Sixth Grade*
B.S., East Carolina College.

JANE GREENLEE ROBINSON (1955) ..... *Third Grade*
B.S., Western Carolina College; M.A., Appalachian State Teachers College.

GAYNELLE BANNER WILSON (1955) ..... *Music*
B.S., M.A., Appalachian State Teachers College.

Teaching Fellows and Graduate Assistants

John Wesley Ashburn, Wake Forest College ..... *Education*
Billy Robert Barr, Wake Forest College ..... *Physical Education*
Carolyn Virgilia Barr, Wake Forest College ..... *Physical Education*
Patricia Ellen Britt, Appalachian State Teachers College ..... *Business Education*
Samuel Kun-Kang Chen, Bob Jones University ..... *Music*
Laura Farthing Church, Appalachian State Teachers College ..... *Education*
Kenneth Ted Clawson, Appalachian State Teachers College ..... *Biology*
James Herbert Crump, Elon College ..... *Mathematics*
Ann Culp, Winthrop College ..... *Music*
Alden Brown Dale, Jacksonville University ..... *English*
William Dale, Jacksonville University ..... *Education*
Jerry Monroe Daniels, Appalachian State Teachers College ..... *Physical Education*
Barbara Watkins Daye, Appalachian State Teachers College ..... *Physical Education*
Ann Davidson Dimos, Western Carolina College ..... *Education*
Lloyd Clay Dotson, Pikeville College ..... *Social Studies*
Dorothy Wilber Duncan, University of Chattanooga ..... *Music*
Bobby Lee Dunnigan, Appalachian State Teachers College ..... *Physical Education*
Richard Dennis Fadgen, North Carolina State College ..... *Physical Education*
Elaine Falls, Furman University ..... *Physical Education*
Frances Stone Fulmer, Winthrop College ..... *Mathematics*
Ansel Lewis Glendenning, Appalachian State Teachers College ..... *Physical Education*
James Wardlaw Glenn, Jr., Presbyterian College ..... *Biology*
Teeman Presley Haithcock, Appalachian State Teachers College ..... *Physical Education*
Mary Elizabeth Hamilton, Woman's College of the University of N. C. ..... *English*
Bobby Russell Himes, Kentucky Wesleyan College ..... *Social Studies*
Robert Lee King, Elon College ..... *Biology*
Lucille Nanney Koon, Appalachian State Teachers College ..... *Physical Education*
William Henry Koon, Belmont-Abbey College ..... *English*
Claude Vernon Leffingwell, University of Tampa ..... *Mathematics*
Nancy Jewell Leigh, Tift College ..... *English*
Julian Morton Maddox, Murray State College ..... *Social Studies*
Jerry Richard McKeithan, Appalachian State Teachers College ..... *Physical Education*
Samuel Charlton Reep, Appalachian State Teachers College ..... *Mathematics*
John Edward Roueche, Jr., Lenoir Rhyne College ..... *Social Studies*
James Garland Saulmon, Berea College ..... *Biology*
Julian LeRoy Sessoms, Jr., Flora Macdonald College ..... *English*
James Kenneth Shumaker, Appalachian State Teachers College ..... *Mathematics*
Doris Brenda Sparks, Appalachian State Teachers College ..... *Social Studies*
Bonnie Matthews Stamey, Appalachian State Teachers College ..... *Education*
Maryann Thayer, University of Miami ..... *Education*
James Harold Wentworth, Pfeiffer College ..... *Physical Education*
Jack Edward Wilkie, North Carolina State College ..... *Mathematics*
Ruth McKibben Williams, Appalachian State Teachers College ..... *Social Studies*
Sylvia Marie Williams, Flora Macdonald College ..... *Music*
Erwin Burwell Wingfield, Transylvania College ..... *Biology*

Residence Counselors

MARY E. HARALSON ..... *Dauph-Blan Hall*
MARJORIE KELLY ..... *East Hall*
RUTH S. GERMAN ..... *East Hall*
EMMA M. TAYLOR ..... *East Hall*
ETHEL G. TYSON ..... *Lovill Hall*
ARLIE H. THOMPSON ..... *North Hall*
HONOR DEE WINKLER ..... *White Hall*
KENNETH E. HAYES ..... *College Hall*
HARRY S. SHERWOOD ..... *Justice Hall*
MARY EDITH BELL ..... *Newland Hall*

Administrative and Secretarial Staff

Supervisors

S. MCKINLEY AYERS ..... *Electrical Engineer*
THOMAS C. BEACH ..... *Manager of Laundry*
HOWARD J. COTTRELL ..... *Manager of Bookstore*
CRATER L. MARSH ..... *Superintendent of Buildings and Grounds*
NINA MCGUIRE MARTIN, R.N. ..... *Nurse*
RICHARD FLOYD SEAWARD ..... *Plant Engineer*
MARY STEPHENSON SHOOK, R.N. ..... *Nurse*
JOHN W. WELBORN ..... *Manager of Cafeteria*

Accountants and Secretaries

NED REEVES TRIVETT ..... *Administrative Officer*
COLLETT COLUMBUS COFFEY ..... *Accountant*
RUTH BARKER REDMOND ..... *Accountant*
MAUDE MOODY CARROLL ..... *Accountant*
MELBA LOVILL TUGMAN ..... *Cashier*
EARLEEN GREENE PRITCHETT ..... *Secretary to the President*
ELOISE JAMESON BAGLEY ..... *Secretary to the Vice-President and Comptroller*
ELIZABETH KING TRIPLETT ..... *Secretary to the Dean*
CATHERINE PEELER ROSS ..... *Secretary to the Registrar*
LORENE MEARES GIBSON ..... *Secretary to the Dean of Instruction*
ANN COTTRELL BOONE ..... *Secretary to the Director of Graduate Studies*
JUDY CAROLYN ALDRIDGE ..... *Secretary to the Director of Summer Sessions and Extension*
CAROLYN GREENE AUSTEN ..... *Secretary to Director of Foundations, Public Relations, and News Bureau*
NANCY BULLARD NANCE ..... *Secretary to the Dean of Men and Dean of Women*

Dianne Slemp Greene ..... *Secretary to the Assistant Registrar*
Marischa Margaret Cook ..... *Alumni Office*
Audrey Lentz Bentley ..... *Appalachian Elementary School*
Gladys Eason Shelton ..... *Appalachian High School*
Elizabeth Ann Phillips ..... *Business Education*
Helen Parker Gebhardt ..... *Dean's Office*
Carrie Horton Bingham ..... *Education*
Julia Hartley Brooks ..... *Education*
Lennis D. Brown ..... *Education*
Faye Elizabeth Nicholson ..... *Education*
Wanda June Winebarger ..... *Education*
Helen S. Minor ..... *Fine Arts*
Shelvey Simmons Crump ..... *Health and Physical Education*
Imogene Grayson Robbins ..... *Languages*
Dora Harrill Matheny ..... *Library*
Donna Stoll Sink ..... *Mimeograph Office*
Sharon Woodring Keplar ..... *Registrar's Office*
Betty Harmon Stanberry ..... *Registrar's Office*
Rebecca Edmisten Younce ..... *Registrar's Office*
Alma Ruth Tester ..... *Science*
Juel Rogers Sherwood ..... *Social Studies*

THE COLLEGE

Location

Appalachian State Teachers College is located at Boone, county seat of Watauga County, North Carolina, on the crest of the Blue Ridge Mountains at an elevation of 3,333 feet above sea level.

Situated at the foothills of the Grandfather Mountain and only nine miles from the famous Blowing Rock and five miles off the Blue Ridge Parkway, which connects the Shenandoah and the Smoky Mountain National Parks, Boone is easily accessible over United States Highways 221, 321, 421, which intersect in and lead out from the town.

History

Appalachian State Teachers College had its beginning in the summer of 1899. Under the leadership of D. D. Dougherty and B. B. Dougherty, a group of Watauga County citizens began a movement to establish a school at Boone. Land was donated by D. B. Dougherty, father of the leaders in the enterprise, and by J. F. Hardin, a prominent citizen of the town. A frame building was erected by contributions from citizens of Boone and Watauga County. A list of these contributors is preserved in the library.

In the fall of 1899, D. D. Dougherty and B. B. Dougherty, acting as co-principals, with Mrs. D. D. Dougherty as teacher of primary work, began the elementary school in an old two-room building. At Christmas the school was moved into a new building to be known as Watauga Academy. There were fifty-five students in the school district, none of whom was above the third grade.

The co-principalship continued until 1903. D. D. Dougherty administered the school and taught, while B. B. Dougherty served as Superintendent of Education for Watauga County and taught in the spring after the public schools had closed and in the summer session.

A summer session was regularly maintained with many teachers from Watauga and adjoining counties attending.

Charter of Appalachian State Teachers College

B. B. Dougherty, co-founder of the school, relates how the school became a state institution:

> "In 1903 Captain E. F. Lovill and B. B. Dougherty, with W. R. Lovill as typist, one Sunday in the home of Captain Lovill of Boone wrote a bill to establish a state institution in northwestern North Carolina. There were no resolutions by teachers' assemblies or requests from any source to write this bill.
>
> "In the same year The Honorable W. C. Newland of Caldwell County introduced the bill in the House of the General Assembly of North Carolina. After a hard fight before the Committee on Education, the measure was reported favorably to the House. Here The Honorable R. A. Doughton of Alleghany County joined Mr. Newland in his arguments for the bill. It was passed by a good majority. However, in the Senate the measure was turned down by the Committee on Education, but Senators Clyde R. Hoey of Cleveland County, R. B. White of Franklin County, and E. J. Justice of McDowell County, all young men who distinguished themselves later as statesmen, signed a minority report and carried the bill to the Senate floor, where on the last day each made a speech in behalf of the bill. The bill passed by only one vote. A new state institution was thus established."

Following are the two establishing sections of the bill:

"The General Assembly of North Carolina Do Enact:"

"Section 1. That W. C. Fields and A. S. Carson of the County of Alleghany, J. D. Thomas and T. C. Bowie of the County of Ashe, Adolphus Taylor and W. P. Horton of the County of Wilkes, F. P. Moore and J. M. Barnhardt of the County of Caldwell, Moses H. Cone and E. F. Lovill of the County of Watauga, J. R. Pritchard and T. A. Love of the County of Mitchell, and J. B. Ray and E. F. Watson of the County of Yancey are hereby created a body politic and corporate under the name of The Appalachian Training School for Teachers, and as such may sue and be sued, implead and be impleaded in all the courts of the State, may purchase and hold real estate, receive donations, and do all things useful and necessary to carry out the true intent and meaning of this act.

"Section 2. That the said board of trustees shall meet in the town of Blowing Rock, in the County of Watauga, in the month of May, after the passage of this act, at the call of the Superintendent of Public Instruction of North Carolina, and shall organize by electing a president, a secretary, and a treasurer, and shall meet annually thereafter at a time and place to be fixed by said board."

Development

In accordance with the provision of the Charter, Dr. J. Y. Joyner, State Superintendent of Public Instruction, in 1903, called a meeting of the Board of Trustees. Captain E. F. Lovill was elected President of the Board, which position he held with great credit until his death in 1925. F. P. Moore, J. M. Barnhardt, and Moses H. Cone were named as the Executive Committee.

Citizens from Jefferson, Globe, Blowing Rock, Montezuma, Valle Crucis, and Boone offered inducements to have the school located in their respective community. The people from Boone offered the Watauga Academy, equipment, and grounds. The trustees voted to locate the school at Boone.

The appropriations for buildings were made for the first six years on condition that a like amount should first be contributed by private citizens. B. B. Dougherty, who was elected financial agent, immediately began a campaign for donations. Practically everyone in the Boone vicinity helped. The financial agent was so pleased with the desire of the Watauga people for something better than they had known that he visited the adjoining counties. Everywhere he received many donations. Moses H. Cone of Greensboro and Blowing Rock and Honorable R. Z. Linney of Taylorsville gave $500 each.

In June, 1903, the trustees of the new school met in Boone and elected B. B. Dougherty, Superintendent; D. D. Dougherty, Principal; and W. C. Coffey, Treasurer. For twenty-two years there followed a period of steady growth, academic development, and valuable service to the State.

In 1925 the Legislature changed the name to Appalachian State Normal School and increased the appropriations for both maintenance and permanent improvements. In this year Superintendent B. B. Dougherty was elected President, and Principal D. D. Dougherty was elected Business Manager and Treasurer. In 1929 the Legislature revised the charter and changed the name to Appalachian State Teachers College, increased the appropriation for maintenance, and authorized the trustees to "confer or cause to be conferred such degrees as are usually conferred by similar institutions in America." B. B. Dougherty was continued as President and D. D. Dougherty as Business Manager and Treasurer. D. D. Dougherty was not permitted long to enjoy the larger institution, for he died June 10, 1929, the very day of the registration for the new college. His work was taken up by Mrs. D. D. Dougherty and is now in the hands of their son, David Barnard Dougherty.

Dr. B. B. Dougherty resigned as President at the end of the school year in 1955 and died May 27, 1957. Dr. J. D. Rankin, Dean of the College, was elected by the Board of Trustees to serve as President until a new President could be chosen. At the same time David Barnard Dougherty was appointed Vice-President and Comptroller of the College. Dr. William H. Plemmons was elected as President by the Board of Trustees and began his service at the beginning of the fall quarter in 1955. He was officially inaugurated as President on April 24, 1956.

Accreditation

Appalachian is a member of the Southern Association of Colleges and Secondary Schools, American Council on Education, American Association of Colleges for Teacher Education, National Council for Accreditation of Teacher Education, North Carolina College Conference, National Association of Schools of Music, and the National Association of Business-Teacher-Training Institutions.

Purpose and Philosophy

The College has as its purpose to develop in the student those qualities of mind and character that make for excellence in all phases of human endeavor and specifically to prepare teachers, principals, supervisors, superintendents, and other school personnel for North Carolina.

The administration and faculty are engaged in a continuous curriculum study to develop and maintain a program of teacher education that will qualify each prospective teacher for the most effective service in the schools of North Carolina. The curriculum is designed to give each student a broad background in general education; a depth of understanding in one or more fields of special interest; a thorough understanding of professional education to include specialized methods, techniques, and principles useful in the teaching profession; and a pattern of wholesome cooperative democratic living. Through study and experience in these areas students can develop a sound philosophy of life and of education.

CAMPUS AND BUILDINGS

The Appalachian campus covers sixty acres of the Blue Ridge Mountains and has the highest elevation of any four-year college east of the Mississippi.

Classrooms and Laboratories

THE ADMINISTRATION BUILDING, erected in 1923, houses the auditorium, administrative offices, Language Laboratory, and classrooms and faculty offices for the departments of English, Foreign Languages, and Social Studies.

SCIENCE BUILDING, erected in 1940, houses classrooms, laboratories, and faculty offices for the departments of Biology and Geology, Chemistry, Mathematics and Physics.

EDUCATION BUILDING, erected in 1925, formerly the elementary school, houses the classrooms and faculty offices of the departments of Education and Psychology and Business Education and also provides space for the Reading Laboratory and the Audio-Visual equipment and materials.

FINE ARTS BUILDING, erected in 1951, provides modern facilities for the departments of Art and Music including auditorium, classrooms, studios, offices, rehearsal rooms for music ensembles, and practice rooms.

THE D.D. DOUGHERTY LIBRARY, erected in 1935 and renovated in 1955 and 1960, contains more than 90,000 volumes, and houses the Curriculum library, a Juvenile library, and the department of Library Science.

HEALTH AND PHYSICAL EDUCATION BUILDING, constructed in 1955, provides for the program of health, physical education, and recreation. It contains a large gymnasium, stage, modern swimming pool, classrooms, offices, audio-visual rooms, adequate shower and locker rooms for men, and overnight accommodations for visiting groups.

MEN'S OLD GYM, constructed in 1934, and the WOMEN'S OLD GYM, constructed in 1924, are used as auxiliary space for the physical education and recreation programs.

HOME ECONOMICS BUILDING, constructed in 1905, provides classrooms, laboratories, and home management residence for the Home Economics department.

APPALACHIAN HIGH SCHOOL, erected in 1938, and APPALACHIAN ELEMENTARY SCHOOL, erected in 1954, serve as laboratory schools for student observation and teaching.

Residence Halls and Houses

DAUPH-BLAN HALL, a compound of the first names of the Dougherty co-founders and named in their honor, was built in 1929 and renovated in 1960. It provides housing acommodations for 144 women.

EAST HALL, erected in 1952 and added to in 1958, houses 376 women.

LOVILL HALL, erected in 1915 and named in honor of Captain E. F. Lovill, first President of the Board of Trustees, accommodates 130 women.

NORTH HALL, erected in 1940, accommodates 125 women.

WHITE HALL, erected in 1924 and named in honor of R. B. White of Franklin County, who was active in gaining the approval of the Charter of the College by the General Assembly of North Carolina in 1903, accommodates 128 women.

JUSTICE HALL, erected in 1952 and named in honor of E. J. Justice of McDowell County, who was active in gaining the approval of the Charter of the College by the General Assembly of North Carolina in 1903, accommodates 322 men.

NEWLAND HALL, built in 1939 and named in honor of the Honorable W. C. Newland of Caldwell County, who introduced the bill in the General Assembly of North Carolina to establish the College, accommodates 132 men.

FACULTY APARTMENTS, built in 1953, provides thirty-three efficiency apartments available to faculty members.

THE PRESIDENT'S HOUSE, constructed in 1957, is located on a knoll overlooking the campus.

FACULTY HOUSES, built in 1939-1940 and renovated in 1960, provides housing for thirteen faculty families.

EMPLOYEES' HOUSES, located near the campus, are occupied by employees of the College.

Auxiliary Buildings

THE CAFETERIA, erected in 1925 and renovated in 1958, is well equipped to provide efficient food services for students.

THE COLLEGE BOOKSTORE, erected in 1935 and renovated in 1955, provides fountain services and handles books and supplies.

LAUNDRY AND SERVICE BUILDING, built in 1949, houses a modern laundry and dry cleaning plant, the offices and shops of the superintendent for buildings and grounds and of the maintenance engineer, a warehouse, and the college garage.

POWER PLANT, built in 1924, provides power, heat, and light for the College. The Hydro-Electric plant is located on New River between Boone and Blowing Rock. The steam plant is located on the campus.

TWO COLLEGE FARMS with more than two hundred acres each supply the College cafeteria with meat and milk.

STUDENT LIFE

The College is aware of the problems and needs of students as they adjust to the college community and become a part of it. To create an environment conducive to happiness and good work and to provide opportunities for the maximum development of each student, the College supports a variety of activities and services to supplement the academic program.

Student Government

With the approval of the College, the student body is organized under the Government Association with a constitution that provides a large measure of self-government. The constitution provides for a Student Council, which consists of the Assembly, the Judiciary, and the Executive, with each assigned specific powers and duties. Also, the Women's Dormitory Council and the Men's Dormitory Council as part of the Association, provide for representative government in regulating student life in the residence halls. Student government is an ideal laboratory to afford students experience and training in democratic living.

Honor Code

The honor system is the foundation of self-government at Appalachian State Teachers College. To lie, cheat, steal, or break one's word of honor under any circumstance is recognized as an infringement on the honor system. It requires that each individual shall be responsible for the enforcement of the rules of right conduct on the campus and on examination. Moreover, each student is responsible not only for his own conduct, but also for the upholding of the honor principles by his fellow students.

The College reserves the right to request any student whose conduct or general attitude is considered unsatisfactory by the authorities of the College to withdraw.

Guidance and Counseling

The College provides comprehensive and active guidance and counseling services for all students and for freshmen in particular. Before a freshman arrives on the campus, he is assigned to a faculty adviser who serves as a member of the Freshman Advisory Council. On the campus the faculty adviser meets his advisees, guides them through orientation, and plans their registration. Once a week during the fall quarter the adviser meets with half of his advisees on a definite schedule on one day, and half on another day. In addition to these scheduled group meetings, the adviser counsels his advisees individually. The informal counseling is continued during the winter and spring quarters. The advisers are primarily concerned with helping the student adjust to the college environment and assess his scholastic problems wisely. For this service the faculty adviser is given three quarter hours credit on his teaching schedule. Thus the College uses the equivalent of more than four full time teachers in the freshman counseling program.

Under the supervision of the Dean of Men and Dean of Women an active counseling program is carried out in each dormitory. Graduate students who are majoring in guidance and well qualified undergraduates are chosen to assist dormitory students. Weekly reports are filed of these activities. At the opening of the College transfer students are given a thorough orientation.

Upperclassmen are given academic counseling by teachers in their respective major fields, although many students continue to seek the advice of their former freshman adviser.

The counseling services of Appalachian are administered by the office of Guidance and Counseling in the department of Education. Headed by a director, this office is in charge of freshman testing and placement, orientation, individual counseling on a referral basis, student appraisal, and research.

Health Services

Appalachian recognizes good health as one of the most important factors in successful living. The person who is unable to stand the strains of competitive activity is poorly prepared for life.

Each student who applies for admission to the College must provide evidence of good health on a form provided by the College and completed by a physician. A student will not be admitted until the health record is submitted and approved.

As a part of the health services of the College, a personal health course is required of all students, the services of a nurse are available on campus, and a close relationship with the Watauga Hospital is maintained. Students are requested to report all illnesses, however slight, to the college nurse promptly so that they may receive immediate care and at the same time protect the health of others.

The Watauga Hospital, which adjoins the campus, serves as the college infirmary. A student who becomes ill will be admitted to the hospital by direction of the physician of his choice. The health fee paid by the student provides for a hospital room and meals for a period not to exceed seven days a quarter of the regular session, general nursing care, and the cost of the operating room for an emergency operation. The college health services are not available during vacation periods stated in the college calendar.

For the protection of students an inexpensive accident insurance policy is available on a voluntary basis. This policy provides coverage for nine months whether a student is at the college or elsewhere. All students are urged to purchase this insurance, premiums for which are paid directly to a representative of the insurance company. Specific details of the insurance plan are sent to all students in August.

Religious Life

The College feels a deep responsibility to foster high ethical and Christian standards and to promote spiritual growth among students. To this end the College supports a varied program of religious activities. On the campus are active organizations of the Young Women's Christian Association, the Young Men's Christian Association, and an inter-denominational Religious Council, which coordinates the religious activities of the campus and sponsors an annual Religious Emphasis week.

Eight churches in Boone—Advent Christian, Baptist, Church of Christ, Episcopal, Lutheran, Methodist, Presbyterian, Roman Catholic—cooperate with the College in many activities. Through campus organizations, local churches and church affiliated groups, such as the Baptist Student Union, Canterbury Club, Lutheran Student Association, Wesley Foundation, Westminster Fellowship, students have large opportunities for worship, fellowship, study groups, and campus and community service.

Housing

The College has eight residence halls housing approximately fourteen hundred students. Each room is equipped with the basic furniture, but the student is expected to supply his linens, blankets, rugs, pillow, curtains, and other personal furnishings according to individual tastes. Each student is expected to observe dormitory regulations and take care of the furnishings of the room. Students may

not have in the room any cooking appliances, refrigeration, or any other electrical appliances except lamps, radio, record player, sewing machine, hair drier, razor; nor may they place any attachments to the walls, plumbing, or electric wiring. The College reserves the right to inspect the residence halls regularly.

The residence halls are closed during vacation periods indicated in the college calendar, and no occupancy of rooms will be permitted during this time. If a student finds it necessary to remain in Boone during vacation period, the Deans of Men and Women will assist in securing a room.

Because of limited dormitory space, some students may find it necessary to secure rooms in town. A list of available houses in town may be obtained from the office of the Dean of Men or Dean of Women. Men and women who plan to room off campus and who are not living at home or with close relatives must receive permission from the Dean of Men or Dean of Women to room in town. All students enrolled in the College, whether living on campus or off campus, are subject to the rules of good citizenship and exemplary conduct as administered and supervised by the College Administration and the Student Council.

Reading Center

The College maintains a reading center for students who need and are interested in diagnostic and remedial help in reading. The center also serves as a laboratory for college students where they can observe and get experience in working with students who need help in reading.

Placement Service

The Office of Placement assists members of the graduating class and former students in finding the most desirable teaching and administrative opportunities in schools and colleges. The office locates vacancies, arranges interviews, refers candidates to specific openings, and maintains a placement file on each graduate for future reference and promotion. The office also sponsors a series of panel discussions each year at which time leading teachers and school administrators are invited to come to the campus to discuss the requirements, problems, and rewards of teaching as a vocation.

Athletics and Intramural Sports

Amateur athletics are encouraged as an outgrowth of the physical education program of the College. Athletic teams are not developed solely to win games, but to create and develop a greater interest in true sportsmanship and clean competition.

Appalachian, a member of the North State Intercollegiate Athletic Conference, maintains athletic teams that compete in the following intercollegiate sports: baseball, basketball, football, golf, soccer, swimming, tennis, track, and wrestling. A Faculty Committee on Athletics regulates the intercollegiate athletic program.

The College maintains an extensive program of intramural sports. All students are encouraged to participate in the program to benefit from physical exercise and to develop good sportsmanship, self-reliance, and to gain experience in group participation and competition. Schedules of games are arranged from season to season in many sports, such as archery, badminton, basketball, dance, horseshoes, shuffleboard, soccer, softball, speedball, swimming, tag football, tennis, volleyball. The department of Health and Physical Education provides equipment and other facilities and assists in coordinating team schedules.

Social Life

The recreational program is directed by a full-time Director of Recreation. The social calendar for the year, aside from intercollegiate and intramural programs in sports and recreation, includes formal and informal dances, parties, receptions, dinners, teas, lectures, concerts by musical organizations, dramatics, fashion shows, Spring Festival, interclass parties.

Concerts and Lectures

A series of programs including concerts, plays, lectures, recitals, are scheduled throughout the year to extend cultural opportunities to the students and college community. Each quarter at the College Convocation distinguished speakers are presented.

The John Hiliary Workman Memorial Lectures, established in 1960, by Dr. John Hiliary Workman and his sister, Miss Sarah Workman of Cherryville, North Carolina, brings a nationally known speaker in the field of economics to the campus each year for lectures.

Dramatics and Forensics

Participation in theater work as actors, designers, directors, and technicians is open to all students. The Playcrafters, a dramatic organization, serves as the producing agency for several one-act and three-act dramas each year and offers membership to students for meritorious achievement in dramatics.

A full program of forensics provides opportunities for students to develop their ability in public speaking and debate. A faculty director of forensics assists in the program by arranging debating schedules and selecting and preparing speakers for individual debates and forensic tournaments.

Musical Activities

The department of Music provides seven musical organizations in which students gain valuable instruction and experience.

THE MARCHING BAND, an all-college organization, functions in close cooperation with the athletic association during the football and basketball seasons.

THE CONCERT BAND, an all-college organization, gives several local and off-campus concerts during the year, including a tour of North Carolina and neighboring states.

THE COLLEGE SYMPHONY ORCHESTRA, open to all students who have ability and experience in playing any orchestral instrument, appears in several concerts during the year.

THE COLLEGE CHOIR, an all-college organization and the oldest musical organization on the campus, appears in concerts throughout the year. It has appeared with the North Carolina Symphony Orchestra, the Federated Music Clubs, and the Mutual Network in broadcasts of Handel's *Messiah*.

THE WOMEN'S GLEE CLUB is open to all women students who desire to sing.

THE APPALACHIAN CHORALE is composed of sixteen selected voices, eight women and eight men.

THE APPATONES is a dance band which provides music for the college dances and those of neighboring schools.

Student Publications

The Appalachian, the college newspaper, is published weekly by the students. *The Rhododendron,* the college annual, is compiled during the college year and is distributed to the students in the spring quarter. Also a student staff prepares and edits the *Student Handbook,* which contains information on student life and organizations. Qualified students are elected by students to the editorial and business staffs of the publications, which offer excellent opportunities for students to develop their literary and journalistic interests and ability.

Clubs and Professional Societies

The College supports a diversified program of club activities. National societies include Alpha Psi Omega (dramatics), Beta Beta Beta (biology), International Relations Club, Pi Gamma Mu (social studies), Pi Kappa Delta (forensics), Pi Omega Pi (business education).

Local clubs include Association of Childhood Education, Chemistry Society, Chi Lambda Chi (composed of the presidents of all campus clubs and organizations), Collegiate Civic, Flying Fish, Home Economics, Industrial Arts, Library Science, Mathematics, Men's *A,* Modern Dance, Music Education, Physical Education, Playcrafters, Service, Varsouvianna, Vernician Society, Veterans, Woman's *A,* Women's Athletic Association, Young Democratic.

Student Officers and College Representation

Members of the student council, class and club officers, nominees for class or campus honors, athletic managers, members of the publications staffs, participants in public programs, cheerleaders, debaters, and any person, other than athletic teams, representing the college off campus, must be selected from those students who average *C* or better and have a good reputation on the campus.

Motor Vehicles

Freshmen, except those who commute from out of town or whose physical condition is such as to warrant otherwise, are not permitted to bring a motor vehicle to the College. Upperclassmen who operate motor vehicles must register them immediately after arrival on the campus.

Alumni Association

All graduates, former students who have received any academic credits, and personnel officially associated with the College are members of the Alumni Association. Its purpose is to provide fellowship for the alumni and to advance the mutual interests of the College and alumni. There are no membership dues; however, many alumni express their active interest in the College by contributing voluntarily to "Heartline," which stimulates the growth of every school activity, and by returning to the campus on Homecoming week end each fall.

Active alumni chapters are organized in the following counties: Alexander, Alleghany, Ashe, Buncombe, Burke, Cleveland, Forsyth, Gaston, Iredell, McDowell, Mecklenburg, Moore, Randolph, Rutherford, Stanly, Surry, Watauga, Wilkes; and in Florida; Tokyo, Japan; and Wiesbaden, Germany.

Officers of the Association are:

Roy Wilson, Charlotte, North Carolina ..... *President*

Glenn Robertson, Mount Airy, North Carolina ..... *Vice-President*

Rebekah Rivers, Raleigh, North Carolina ..... *Secretary-Treasurer*

John Corey, Boone, North Carolina ..... *Executive Secretary*

ADMISSIONS

All correspondence concerning admission to the College should be addressed to the Registrar, Appalachian State Teachers College, Boone, N. C. Students may be admitted at the beginning of the fall, winter, spring, or summer quarter. For any quarter early application is advisable. The College admits applicants whose preparation, ability, interest, character, and general fitness indicate that they can do successful college work. Taken into consideration are the quality of the applicant's academic record, test scores on the Scholastic Aptitude Test of the College Entrance Examination Board, recommendations, and health record.

Requirements for Admission

1. First year freshmen. Admission as first year freshmen may be by certificate of high school graduation or by certificate and examination. Graduates of accredited high schools who rank in the upper seventy-five per cent of their graduating classes are eligible for admission as freshmen. Beginning with the class entering in June or September of 1961, applicants will be expected to present at least two units in mathematics, which must be two units of algebra or one unit of algebra and one unit of plane geometry. By June, 1963, freshmen will be required to present at least two units in mathematics as specified above.

   Applicants who are graduates of non-accredited high schools may be admitted by certificate and satisfactory scores on entrance examinations.

   Applicants must have made satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board, which may be taken in the junior or senior year of high school. For information regarding the test, applications, fees, reports, examination centers, dates, the student should consult the high school principal or guidance counselor.
2. Transfer Students. Students who transfer from other colleges or universities must furnish official transcript of records from institutions previously attended. These transcripts must show eligibility to return to the latest institution attended and an average grade of at least *C* on all work attempted. Courses satisfactorily completed in other accredited colleges are evaluated in terms of the curriculum selected at Appalachian.
3. Special Students. Applicants who are mature and who may not meet admission requirements but who have had a satisfactory record of experience and education may be admitted to courses which they may be able to pursue with profit. Special students who desire to become candidates for degrees must satisfy entrance requirements.
4. Graduate Students. For admission and graduation requirements, see *Graduate Studies.*
5. Auditors. Students enrolled at the college or students with satisfactory records of experience and education may be admitted to specific courses as auditors with the consent of the Dean of the College and the instructor concerned. Students who audit courses must register in the Registrar's office, must be regular in attendance, but will not receive grades or credit.

Admission Procedure

Students who wish to be considered for admission to the College as freshmen will obtain from the office of the Registrar an application package, consisting of an application form, medical examination report form, high school principal's certificate and recommendation form, and instructions for completing and submitting these forms.

Applicants should request the College Entrance Examination Board to send results of the Scholastic Aptitude Test to the Registrar.

Students who desire to transfer to Appalachian from other colleges will obtain from the office of the Registrar an application package consisting of an application form, medical examination report form, dean of men or dean of women recommendation form, and instructions for completing and submitting these forms.

Graduates of junior colleges must complete at least 90 quarter hours with at least a 2.00 quality point ratio at Appalachian.

After all papers have been filed and evaluated, a statement of eligibility for admission or a statement of shortages to be removed before admission can be approved will be sent to the applicant.

Approved applicants who expect to live on campus should send to the Office of the Vice-President and Comptroller a room reservation fee of $20.00. Rooms will be assigned in the order in which reservations are received.

A personal interview with an authorized representative of the College and a visit to the campus are advisable and beneficial to the student and the College.

All applicants for admission will be notified promptly by mail of the decision of the Committee on Admissions concerning their applications.

Prior to the date of registration, information such as room assignment, opening date, orientation program, Student Handbook, name of student's faculty adviser will be sent to students.

Advanced Placement Program

The College participates in the Advanced Placement Program of the College Entrance Examination Board. Freshmen who have performed satisfactorily in college-level secondary school courses and who have demonstrated their achievement on tests of the Advanced Placement Program may have the results submitted to the College for consideration for placement in advanced courses and for college credit. Such students are thereby enabled to enrich their college education. The amount and nature of the credit granted are determined by the Committee for Superior Students and the pertinent departments of instruction.

Readmission

Students who have withdrawn in good standing from the College or who have been suspended for academic deficiencies or for other reasons should submit their requests for readmission to the Dean of the College. Consideration of requests for readmission of students who have been suspended for any reason will be made in the light of the applicant's ability, evidence of growth and maturity, good citizenship record, credits earned at another institution, and time elapsed since leaving Appalachian. Students who withdraw and who are not in good standing may be readmitted after three quarters of the regular session have elapsed. However, students may remove academic deficiencies by attending summer session. As a policy, students who are twice suspended for academic deficiencies will not be eligible for readmission.

EXPENSES

Fees are charged by the quarter and are due and payable in advance at the beginning of each quarter. Any special arrangement for the payment of expenses must be made one week in advance of the opening of the quarter with the office of the Vice-President and Comptroller.

Regular Expenses per Quarter of the Undergraduate Student

	Residents of North Carolina	Non-residents of North Carolina
Registration	10.00	10.00
Tuition	50.00	135.00
Room (standard)	39.00	39.00
Room (single)	48.00	48.00
Cafeteria Meals (minimum)	75.00	75.00
Student Welfare and Activities	18.75	18.75
Rental of Textbooks	10.30	10.30
Laundry and Dry Cleaning (minimum)		
Men	12.00	12.00
Women	9.00	9.00

The room reservation fee of $20.00 is deductible from the room rent charge at the opening of the first quarter in residence.

All students living in the college dormitories are required to purchase the minimum number of meal tickets at the time of registration.

The College reserves the right to change the charges for living expenses any time that it becomes necessary.

Student Welfare and Activities

This fee supports such services and activities as medical care, use of gymnasium, student government, concerts and lectures, forensics and dramatics, intramurals, student publications, attendance at all athletic events on the campus.

Rental of Textbooks

A textbook rental fee entitles a student to receive textbooks used in each course for which he registers. At the beginning of each quarter textbooks are issued at the Bookstore, and at the end of the quarter textbooks that are not needed further are returned. Notebooks, workbooks, manuals, and the like are not included. A student who desires to own his textbooks may purchase them by paying the difference between the rental fee and the purchase price.

Laundry and Dry Cleaning

Laundry of linens and personal clothing and pressing and dry cleaning are provided at the college laundry. Students whose laundry service is in excess of the minimum charge will settle the account with the office of the Vice-President and Comptroller.

Day Students

Regular Day Students pay all regular expenses except room rent, Cafeteria meals, laundry and dry cleaning.

Off-Campus Courses

For off-campus courses a student pays the Registration fee of $15.00, Library fee of $3.00, and tuition of $4.00 a quarter hour.

Saturday and Evening Classes

A student who attends Saturday or Evening classes pays the Registration fee of $15.00, Library fee of $3.00, and tuition of $4.00 a quarter hour.

Resident Graduate Students

See Graduate Studies, page 115.

Summer Session

See the Summer Session Bulletin.

Special Fees

Home Management House $120.00

A major in Home Economics is required in the senior year to spend one quarter in residence in the home management house for which she pays this fee for room and board instead of the regular charges.

Student Teaching $15.00

This fee is charged the student who spends one quarter during the senior year doing student teaching in the laboratory schools of the College or in approved off-campus schools.

Music Per Quarter

One thirty-minute individual lesson a week, any instrument or voice 15.00
Two thirty-minute individual lessons a week, any instrument or voice 30.00
One class lesson a week, any instrument or voice 9.00
Practice rooms, voice, piano, organ, first quarter hour 5.00
Each additional quarter hour 2.50
Practice rooms, strings, wind, percussion, first quarter hour 2.50
Each additional quarter hour 1.25

Late Registration ..... 5.00 to 10.00

A student who does not complete his registration during the announced registration date is charged a $5.00 fee, with an increase of $1.00 for each additional late day of registration, the total not to exceed $10.00.

Change of Course 1.00

For each course change initiated by the student after registration day.

Change of Room 1.00

For change of dormitory room initiated by the student after registration day.

Late Test 2.00

A student who does not take the required orientation tests at the time provided by the College will be required to pay a $2.00 fee for each test.

Special Examination 5.00

This fee is charged the student who takes an examination in a course outside of the examination schedule, except in case of extreme emergency.

Auditing

A person except those on college appointment and students registered for a full schedule who audit a class pay the regular registration and tuition fees. Auditors do not take tests, examinations, receive credit, or participate in class discussion.

Transcripts $1.00

A student who has paid all of his college fees is entitled to receive without charge three transcripts of his scholastic record. For each additional transcript the fee is $1.00.

National Teacher Examination

The fee charged by the Educational Testing Service for the common examination 9.00
Common and one Optional 11.00
Common and two Optionals 13.00

Cap and Gown

Bachelor's degree 4.00
Master's degree 8.00

Diploma

Bachelor's degree 6.00
Master's degree 10.00

Accident Insurance

For the protection of students an accident insurance policy is available on a voluntary basis for women and men. The policy provides coverage for nine months on campus or off campus. All students are encouraged to purchase the protection.

Special Note

Before taking final examinations at the close of each quarter, a student is expected to settle all accounts. A student may not register for a new quarter until all charges have been paid or arranged for and until all textbooks are returned to the College Bookstore. A student cannot receive a degree, certificate, or transcript of credits, until all accounts except current loans have been paid.

Refund of Fees

The room reservation fee of $20.00 is refundable if cancellation is made by August 1 for the fall quarter through the office of the Vice-President and Comptroller.

If a student withdraws from the College before the close of the registration period, one-half of the room rent and tuition and a proportionate part of the amount paid for meals will be refunded. If a student withdraws after the close of the registration period a proportionate part of the amount paid for meals will be refunded. Refunds will be calculated from the date of the official withdrawal from the College.

Information to Veterans

A veteran who plans to attend the College under the educational provisions of Public Law 550 should apply to the Veterans Administration for benefits. After his application is processed, the veteran will receive a Certificate for Education and Training. Under this law a veteran pays his fees at the time of registration but receives a monthly education and training allowance from the Veterans

Administration based on attendance and progress reports made by the College. Since the first check is sometimes delayed, a veteran should make his arrangements early.

A veteran who enters the College under Public Law 894 for disabled veterans and has the approval of the Veterans Administration will have his college fees paid directly to the College by the Government.

Children of disabled or deceased veterans may receive assistance in payment of tuition, room, meals, and other college fees. For information and application forms, students should write to the North Carolina Veterans Commission, Raleigh, North Carolina.

STUDENT AID

Appalachian is interested in establishing scholarships and loan funds for worthy, capable, and needy students.

Requests for financial aid must be made on application forms obtainable from the Committee on Student Scholarships and Financial Aid.

Self-Help

The College provides limited opportunities for self-help to students who wish to earn a part of their college expenses.

Scholarships

James G. K. McClure Scholarships, established in 1958 by the James G. K. McClure Education Foundation, provides several scholarships of $200 each to freshmen from designated western counties who give promise of high intellectual attainment, who show evidence of Christian character, and who are in need of financial aid.

Endowment Scholarships were made available in 1957 by the Board of Trustees from the income of Endowment Funds. Approximately 200 scholarships valued at $125 upward are available to men and women who excel in scholarship, who are needy, and who give promise of leadership at the college.

Living Endowment Fund for Scholarships, initiated by the class of 1956 and continued by succeeding classes, provides fifteen to twenty scholarships annually with an average value of $200. These scholarships are available to men and women who are scholastically in the upper quarter of their class and who need financial aid.

Vocational Rehabilitation Scholarships. Students who have physical disabilities which constitute vocational handicaps are eligible for scholarships from the North Carolina Vocational Rehabilitation Department. These scholarships are available for four years provided the student maintains a satisfactory record in college. For information, qualified students should write to the Department of Vocational Rehabilitation, Raleigh, North Carolina.

The John Hiliary Workman Memorial Scholarships, established in 1960 by Dr. John Hiliary Workman, Professor of Economics at Appalachian State Teachers College from 1946 to his death, and his sister, Miss Sarah Workman of Cherryville, North Carolina, provides scholarships for capable and needy students with the income from property valued at $20,000.

Student Activity Grants-in-aid

Several fields of student activity including dramatics, music, baseball, basketball, football, and other activities, have been approved for grants-in-aid. Application forms are available from the Committee on Student Scholarships and Financial Aid.

Loan Funds

Since the loan funds are not sufficient to meet all requests, a student who needs assistance is requested to seek a loan in his local community. If he is not successful in getting a loan, he may apply to the Committee on Student Scholarships and Financial Aid. As a rule, a student should have completed one or two years in college before he requests a loan.

When a student borrows money from any of the loan funds, he will sign a promissory note and provide security in the form of two qualified endorsers or collateral satisfactory to the office of the Vice-President and Comptroller. Arrangements may be made to repay the loan and interest in installments over a reasonable period of time after graduation or discontinuance of study. A student who receives a loan should understand that loan funds are revolving funds and that the College has the same interest in protecting them as it had in securing them.

The following loan funds have been established for the benefit of worthy students who need financial aid.

Charles F. Carroll Loan Fund of $125 was donated in 1958 by Charles F. Carroll, State Superintendent of Public Instruction, to assist any student of character, scholarship, and need.

Nora E. Edmondson Loan Fund of $500 was donated in 1956 by Mrs. Bertie E. Perkins in memory of her sister, Miss Nora E. Edmondson, who at the time of her death was the oldest graduate of the college, and who from her first visit in 1942 until her death, was one of its most loyal and devoted friends. This fund is available to graduate students only.

Frances L. Goodrich Loan Fund was contributed by the Trustees of Asheville College and is subject to return to the Frances L. Goodrich Loan Fund of Asheville College if a fully accredited four-year college is opened in Asheville. Loans are restricted to $300 per year and are available only to juniors and seniors.

Library Science Loan Fund was donated in 1953 by Miss Eunice Query and Miss Mabel Brister of the Appalachian Faculty. The loan is available only to majors in Library Science.

Middle Fork Loan Fund, which amounts to approximately $60,000, was set up in 1925 by act of the legislature of North Carolina out of accumulated revenues above actual maintenance cost of the New River Light and Power Company.

The Milton Loan Fund of $100 was established in 1940 by Mrs. David Milton of Blowing Rock and New York.

National Defense Student Loan Program. Appalachian participates in the National Defense Student Loan Program, which is a part of the National Defense Education Act of 1958. From this program students may borrow as much as $1,000 a year but not more than a total of $5,000 in the four-year college program. Even though students in any field of study are eligible, the Act specifically states that special consideration shall be given to "students with superior academic backgrounds." No interest is charged on the loan until one year after graduation or discontinuance of study. When the date of repayment begins, a three per cent interest rate is charged. Fifty per cent of the loan including interest may be canceled if the borrower becomes a public school teacher. Ten per cent of the loan plus interest is canceled for each completed year of teaching up to five years.

North Carolina Scholarship Loan Fund for Prospective Teachers, established by act of the legislature of North Carolina in 1957 for capable students who are preparing to teach in the public schools of North Carolina, makes available a loan up to

$350 a year. Students with good high school or college records may be eligible for a loan for each of four years. One annual loan is automatically canceled for each year that the student teaches in the public schools of North Carolina. If the student does not teach, the loan must be repaid at 4 per cent interest. For application forms, interested students should write directly to the State Department of Public Instruction, Raleigh, North Carolina.

Rhododendron Loan Fund of $2,500 was established by **The Rhododendron,** the college annual.

Student Loan Fund of approximately $5,000 was donated over a period of years by graduating classes.

W. J. Waters Graduate Loan Fund of $500 was donated in 1958 by W. J. Waters, alumnus of Appalachian, for graduate students only.

ACADEMIC REQUIREMENTS AND REGULATIONS

Appalachian operates on the quarter system with the regular college year divided into three quarters. The summer session is divided into two six-week terms. Students receive course credit toward graduation on the basis of quarter hours.

The College awards the Bachelor of Science degree and the Master of Arts degree.

Requirements for the Bachelor's Degree

The degree of Bachelor of Science is conferred upon students who have:

1. Completed 195 quarter hours with at least 390 quality points, one to two ratio, with each additional quarter hour requiring two additional quality points.
2. Complied with specific course distribution and requirements.
3. Satisfied residence requirements.
4. Attended college Assembly in accordance with regulations.
5. Demonstrated proficiency in written and spoken English.
6. Taken the National Teacher Examination.
7. Settled all college accounts and returned all equipment and books.
8. Proven satisfactory citizenship in the college community.

Requirements for the Master's Degree

See Graduate Studies, page 111.

Standards of Scholarship

In all work done for the degree scholarly performance is expected. The student is expected to demonstrate academic competency, intellectual honesty and responsibility, a willingness to do more than the minimum required, the ability to think critically and constructively.

THE CURRICULUM

Basic Requirements

The curriculum for the first two years is designed primarily to emphasize a broad distribution of fundamental studies. For the Bachelor of Science degree each student shall meet the following requirements:

	Quarter hours
English 101, 102, 103 and 201, 202, 203	18
History 101, 102, 103 and 201, 202, 203	18
Natural Science	9-12
Mathematics*	9-15
Health Education 201**	3
Psychology 201	3
Speech 201 or pass proficiency test	3
Physical Education Activity—six quarters	6
Psychology 100, 200, 300	3
Total	72-81

* Not required in music curriculums.

** Not required in home economics curriculum.

Major Subject

To provide intensive and specialized work, a student should elect by the end of the sophomore year a department in which he will do major work. For the degree a student must present a major of not less than thirty-six quarter hours. Specific requirements for each departmental major preface the courses offered by the department. The student who meets these requirements will have met North Carolina requirements for certification in that specific field. The College recommends that a student meet requirements to teach in two fields.

The College offers instruction in the following major fields: Biology, Business Education, Chemistry, Elementary Education, English, Foreign Languages, Health and Physical Education, Home Economics, Industrial Arts, Library Science, Mathematics, Music, Social Studies.

Professional Education

For graduation the College requires the following professional courses in Education and Psychology.

	Quarter Hours
Education 301, 302, 303	9
Psychology 301, 302, 303	9
One methods course	3
Education 405 or 407	15
Total	36

Residence

A student must spend at least the senior year (three quarters) in residence at the College and complete a minimum of forty-five quarter hours with at least an average grade of *C*.

Credits that have been earned more than ten years prior to the date of graduation will be reevaluated if and when they are submitted to fulfill degree requirements.

English and Speech Proficiency

Students are expected to demonstrate satisfactory proficiency in the use of written and spoken English. Early in the fall quarter students who have junior classification will be required to take a test on the fundamentals of written English to prove proficiency in the use of the language and to take a speech test to demonstrate speech proficiency. Students who do not perform satisfactorily on the tests will be required to do remedial work in English and speech. The removal of the deficiency is prerequisite to graduation.

Assembly

For graduation a student must attend college Assembly for each quarter of residence in the regular session until senior classification, for which he will receive one-third of an hour credit each quarter.

Registration

Students are expected to register at the time specified on the college calendar. Registration schedules will be announced, and registration materials will be available in the office of the Registrar. A fee will be charged for late registration.

Academic Load

A student normally takes from fifteen to eighteen hours a quarter. A student who has established an average grade of *B* or better on at least fifteen hours in the preceding quarter with no grade less than *C* may by permission of the Dean of the College and the Registrar take a maximum of twenty-two hours a quarter. A freshman may not carry more than eighteen hours during the first quarter of residence. Registration for less than twelve hours places the student on part-time status.

Courses Repeated for Credit

When a course is repeated, the last grade will be counted in determining the student's hour-quality point ratio, although all grades will remain on the student's record.

Extension and Correspondence Credit

Not more than forty-five quarter hours of correspondence and/or extension work may be credited toward meeting the requirements for graduation.

Change of Course

With the approval of the Registrar a student may drop or add courses or change sections until the close of registration. After the close of registration a student may not change or drop a course without permission from the Dean of the College. A student pays a one dollar fee for each course change that is not initiated by the College. Any course dropped after the first week following registration will be assigned a grade of *Dr, W,* or *F,* depending on whether the student received official permission to drop the course or to withdraw from college or was failing the course at the time. Courses dropped at any time without permission will be recorded as *F*. After mid-term the Dean of the College will not give permission to drop a course.

Class Attendance

A student is expected to attend every meeting of his classes and not to absent himself without adequate reason. Excuses will be granted only for college-sponsored activities, illness certified by a physician or the college nurse, death or extreme hardship in the immediate family. Excuses for absences will be valid only when signed by the Dean of the College.

For a student who registers late, absences from previous class meetings will be excused, but the student will be required to make up the work missed.

For the second and each additional unexcused class absence one quality point will be deducted. If for any reason a student is absent from twenty per cent of his class meetings, he will automatically receive a grade of *F*. Under certain circumstances, such as continued illness, he may appeal to the Committee on Readmissions and Academic Discipline for the privilege of making up the work missed and receiving credit on the course. Penalties for unexcused class absences and the provision for automatic failure do not apply to upperclassmen with a quality point ratio of 3.00 or more.

Unexcused absences from the last class meeting before or the first class meeting after a college holiday will count as double absences. Unexcused absences from final examinations will result in failure in the work involved.

Instructors will report all excused and unexcused absences for each student to the Registrar at the end of each quarter.

Withdrawal from College

A student who wishes to withdraw from the College for any reason must make arrangements with the Dean of the College prior to withdrawal. Permission from the parents or guardian of a minor student to withdraw is required. If a student withdraws during a quarter without making proper arrangements, a grade of *F* for each course will be entered on the student's record.

Examinations

It is the policy of the College to require final examinations in all courses. Final examinations are held during the final week of the quarter. After the schedule for examinations has been made, instructors may not change the date of an examination without the written permission of the Dean of the College. Nor may a student take an examination outside of the scheduled time except by permission of the instructor of the course and the Dean of the College, and then only in the case of extreme emergency.

Special Examination

A student who is absent from a final examination because of an emergency will take the make-up examination at the convenience of the instructor and with the approval of the Dean of the College.

Reports

Final quarter grades are reported to the office of the Registrar not later than forty-eight hours after the examination in the course is given. Each instructor will post the grades of his students. At the end of each quarter a report of the student's grades is sent to his parents or guardian.

Grades and Quality Points

At the end of each quarter grades are given in each course by letters which indicate the quality of work done by the student.

A—Excellent—4 quality points per quarter hour.
B—Above Average—3 quality points per quarter hour.
C—Average—2 quality points per quarter hour.
D—Below Average but Passing—1 quality point per quarter hour.
F—Failure—0 quality points (May not be made up except by repeating the course).
I—Incomplete—(Because of sickness or some other unavoidable cause).
X—Condition—(Grade withheld pending the completion of some required work).
W—Withdrawn—(Official permission to drop out of College).
Dr—Class Dropped—(Official permission to drop the course).

Quality ratings are determined by dividing the total number of quality points by the number of hours *attempted.* The ratings are expressed in ratio. A ratio of 2.00 indicates that the student has an average of *C;* above 2.00 indicates that he has an average above *C;* below 2.00 indicates that he has an average below *C.* Only work taken at Appalachian State Teachers College is included in computing quality point rating. The minimum grade-point ratio for graduation is 2.00 or an average grade of *C.*

Classification

At the end of each quarter students are classified on the basis of quarter hours and quality points earned. All students who are admitted as regular first-year students or who have completed less than forty-five quarter hours with a quality point ratio below 1.65 will be classified as freshmen.

Students who have completed at least forty-five quarter hours with a quality point ratio of at least 1.65 will be classified as sophomores.

Students who have completed at least ninety quarter hours with a quality point ratio of at least 2.00 will be classified as juniors.

Students who need not more than fifty-one quarter hours and 102 quality points to be graduated will be classified as seniors.

Academic Suspension

A student who does not pass twelve quarter hours of work in any quarter is not eligible to register for the following quarter without special permission from the Committee on Readmissions and Academic Discipline.

A student who has been in attendance at the College for as many as three quarters and not more than six quarters and who has a quality point ratio below 1.65 will not be eligible to register until he has removed his academic deficiency.

A student who has been in attendance for as many as six quarters and who has a quality point ratio below 2.00 will not be eligible to register until he has removed his academic deficiency.

A student whose quality point rating drops below the requirement at the end of any one quarter will be placed on academic probation for the following quarter.

A student may remove his academic deficiency by attending summer school or by taking courses at some other accredited college.

Honors

To encourage high scholarship, the College officially recognizes students who distinguish themselves in scholarship.

Honors Day

Honors Day is observed in a Convocation of students and faculty during the spring quarter with an address by a distinguished speaker. The printed program contains the names of all students qualifying for scholastic honors, and each honor student is awarded a certificate.

Dean's List

At the end of each quarter a student who has taken at least fifteen hours and has achieved a quality point ratio of at least 3.00 on all work attempted with no grade below *C* and with no "Incomplete" or "Condition" will be placed on the Dean's List.

Graduation with Honors

A student who has a ratio of 3.00 quality points or above to each quarter hour presented for graduation will be graduated *cum laude*. A student who has a ratio of 3.50 quality points to each quarter hour presented for graduation with no grade below *C* will be graduated *magna cum laude*. The student who has the highest quality point ratio in his class will be graduated *summa cum laude*.

National Teacher Examination

Candidates for the Bachelor of Science degree are required to take the Common Examination of the National Teacher Examination. Also majors in certain subjects are required to take the Optional Examination in their fields. The fees charged will be those of the Educational Testing Service, Princeton, New Jersey.

Graduation

Degrees are conferred at the close of the spring and summer quarters. Candidates for degrees must file application for degrees and North Carolina certificates on blanks provided by the Registrar before the end of the quarter immediately preceding the last quarter in residence. At the time of filing the application all requirements except current work should be completed.

All candidates for degrees at any commencement are expected to be present to receive their degrees in person unless excused by the Dean of the College.

Summer Session

The summer session is divided into two six-week terms and four two-week terms. Regular undergraduate and graduate courses are offered during the six-week terms and special short courses for teachers are offered during the two-week terms.

The primary purpose of the College in the summer session is to provide opportunities for students to accelerate their progress toward degrees by attending college year round. Consequently, the schedule of classes in the summer is designed especially for recent high school graduates who desire an early start with their college program, undergraduate students from Appalachian and other colleges and universities who desire to accelerate their programs, and teachers and other educators who desire to advance professionally.

The schedule of courses to be offered during the summer is published as a part of the summer session bulletin in March of each year. Copies of the bulletin or information about the summer session may be had by communicating with the Director of Summer Sessions, Appalachian State Teachers College, Boone, North Carolina.

Student Teaching

During the fall, winter, or spring quarter of the senior year each student is expected to do student teaching in the field for which he has been preparing. This work will consist of full-time teaching under the guidance of a competent and experienced teacher. The student will spend full time in the school where he does his student teaching and his formal teaching load will be gradually increased until he has an opportunity to carry from one-half to all of the teaching load of his supervising teacher. The student teaching course will give the student professional laboratory experiences in the same activities in which the regular teacher engages. Thus in addition to the regular classroom teaching activities the student will experience and share in the extra-curricular activities of the school, community activities, professional activities such as faculty meetings, routine activities, such as making reports, and meeting and working with parents.

Student teaching will be done either in the laboratory schools of Appalachian State Teachers College or in approved off-campus schools. The assignment of a student to a particular school or laboratory situation will be based upon the needs, interests, and abilities of the individual student, and the characteristics of the particular school.

Student teacher assignments in off-campus schools will conform to the local schedule with reference to the Thanksgiving, Christmas, and Easter holidays. Student teachers who will graduate at the end of their student teaching experience will be given one day off during the quarter to complete arrangements for graduation at the college. Graduating seniors assigned to student teaching in the spring quarter will be released on the Tuesday preceding the annual spring closing.

Conditions Prerequisite to Student Teaching

The following requirements must be met prior to student teaching:

1. Application must be filed during the winter quarter preceding the school year, September 1 to August 31, in which the student expects to do student teaching.
2. Completion of at least two-thirds of all required content work in general education and fields of concentration. However, students who are trying to graduate in three calendar years and who need to do student teaching in the fall quarter may register for the work in the ninth quarter. Other students will have full senior classification.
3. Completion of Education 301-302-303 and Psychology 301-302-303, arithmetic methods and reading methods for elementary candidates, at least one methods course for secondary candidates.
4. Completion of all courses required during the freshman and sophomore years.

The following requirements must be met one quarter in advance of student teaching; that is, the assignment for the spring quarter would be based on the status of a student at the end of the fall quarter.

1. A quality point ratio of 2.00 both in his over-all program and teaching fields.
2. Removal of all "Incompletes," "Conditions," and "Failures" on required courses. When student teaching constitutes the only remaining requirement for graduation, a student's case will be considered on its merits.

General Information

1. Each student must be approved for student teaching by the department(s) in which he is majoring and by the department of Education. If in the judgment of these departments a student can not receive favorable recommendations, his placement will be deferred until reconciliation can be reached.
2. The Student Teaching Committee will not approve students who in their judgment will be ineffective as teachers because of physical, moral, or social characteristics.
3. Each applicant must give full time, one quarter, to student teaching.

Honor Teaching and Substitute Teaching

A student teacher who shows exceptional initiative and scholarship and who is exceptional as a teacher may be designated as an Honor Teacher. Each quarter arrangements will be made for a limited number to do Honor Teaching in the laboratory schools. This experience will carry elective credit of four hours and will be entered on the transcript as Education 455. Those who do not have an opportunity to participate in Honor Teaching because of graduation or lack of facilities will be appropriately identified as Honor Teachers on their college records.

Those students recommended for Honor Teaching, but who have a quality point rating below 3.00, but more than 2.50 have the opportunity of registering for Education 418, Substitute Teaching. Even though facilities are not available for all who are so designated, the honor will be entered on their official college records.

Teacher Certification

All transcripts showing graduation with the Bachelor of Science degree bear this notation:

> This is to certify that (name) has satisfactorily completed the regular National Council for Accreditation of Teacher Education accredited program of this institution for the preparation of teachers and that (he or she) is specifically prepared to teach (subject). This applicant has met all other appropriate standards of this institution which are required for full recommendation for teaching.

This notation on the transcript entitles an Appalachian graduate to receive an *A* certificate in the field specified in eighteen states, regardless of individual state requirements.

PROGRAMS OF INSTRUCTION

Curriculum in Biology

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
		Freshman			
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101, 104 or 107	3-5	Mathematics 102, 105 or 108	3-5	Mathematics 103, 106 or 109	3-5
Biology 101	4	Biology 102	4	Biology 103	4
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Elective	3	Health Education 201	3	Psychology 201	3
	17-19		17-19		17-19
		Sophomore			
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	History 203	3
Chemistry 101	4	Chemistry 102	4	Chemistry 103	4
Biology 201	3	Biology 202	3	Biology 203	3
Biology 204	3	Biology 205	3	Biology 206	3
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
	17		17		17
		Junior			
Biology 208	3	Biology 207	3	Elective	3
Education 301	3	Biology 301	3	Biology 209	3
Psychology 301	3	Education 302	3	Education 303	3
Education 409	3	Psychology 302	3	Psychology 303	3
Physics 201	4	Physics 202	4	Physics 203	4
	16		16		16
		Senior			
Education 407	15	Education 407	15	Education 407	15
or		or		or	
Biology 454	3	Biology 301	3	Biology 455	3
Electives	12	Electives	12	Electives	12
	15		15		15

A student may qualify for a Certificate in General Science by completing a minimum of 45 quarter hours in science, including Physics 201, 202, 203 and Geology 301, 302.

Curriculum in Business Education

Freshman

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101, 104 or 107	3-5	Mathematics 102, 105 or 108	3-5	Mathematics 103, 106 or 109	3-5
Science	3-4	Science	3-4	Science	3-4
Business Ed. 101 or 102	3	Business Ed. 102 or 103	3	Business Ed. 103 or 104	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
	16-19		16-19		16-19

Sophomore

				English 203	3
English 201	3	English 202	3	History 203	3
History 201	3	History 202	3	Business Ed. 203	3
Business Ed. 201	3	Business Ed. 202	3	Business Ed. 206	3
Business Ed. 204	3	Business Ed. 205	3	Business Ed. 104 or Elective	3
Psychology 201	3	Health Ed. 201	3	Physical Ed. 203	1
Physical Ed. 201	1	Physical Ed. 202	1		
	16		16		16

Junior

Education 301	3	Education 302	3	Education 303	3
Psychology 301	3	Psychology 302	3	Psychology 303	3
Economics 201	3	Economics 202	3	Economics 203	3
Business Ed. 304	3	Business Ed. 305	3	Education 417	3
Business Ed. 306	3	Business Ed. 307	3	Business Ed. 302 or 303	3
Business Ed. 303 or Elective	3	Business Ed. 302 or 303	3	Elective	3
	18		18		18

Senior

				Education 407 or 15 hours selected from the following:	15
Education 407 or 15 hours selected from the following:	15	Education 407 or 15 hours selected from the following:	15		
Business Ed. 403	3	Business Ed. 401	3	Business Ed. 401	3
Business Ed. 404	3	Business Ed. 402	3	Business Ed. 402	3
Business Ed. 405	3	Business Ed. 403	3	Business Ed. 403	3
Economics Electives	6	Economics Electives	6	Business Ed. 404	3
Education 417 or Elective	3	Education 417 or Elective	3	Business Ed. 405	3
				Economics Electives	6
				Elective	3
	15		15		15

Curriculum in Chemistry

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
		Freshman			
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 104 or 107	3-5	Mathematics 105 or 108	3-5	Mathematics 106 or 109	3-5
Chemistry 101 or 104	4	Chemistry 102 or 105	4	Chemistry 103 or 106	4
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Elective	3	Elective	3	Elective	3
	17-19		17-19		17-19
		Sophomore			
English 201	3	English 202	3	English 203	3
Chemistry 201	4	Chemistry 202	4	Chemistry 203	4
Mathematics 301	4	Mathematics 302	4	Mathematics 303	4
Physics 201	4	Physics 202	4	Physics 203	4
Psychology 201	3	Health Education 201	3	Physical Ed. 203	1
Physical Ed. 201	1	Physical Ed. 202	1	Elective	3
	19		19		19
		Junior			
Education 301	3	Education 302	3	Education 303	3
Psychology 301	3	Psychology 302	3	Psychology 303	3
Biology 101	4	Biology 102	4	Biology 103	4
Chemistry 301	4	Chemistry 302	4	Chemistry 303	4
History 201	3	History 202	3	History 203	3
	17		17		17
		Senior			
Education 409	3				
Chemistry 401	4	Chemistry 402	4		
Electives	9	Electives	12	Education 407	15
	16		16		15

A student who takes his major work in Chemistry may also qualify for a Certificate in General Science by completing Geology 301, 302, and a Certificate in Mathematics by completing nine additional hours in Mathematics.

Curriculum in Elementary Education

Freshman

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101, 104 or 107	3-5	Mathematics 102, 105 or 108	3-5	Mathematics 103, 106 or 109	3-5
Science 101	3-4	Science 102	3-4	Science 103	3-4
Geography 101	3	Geography 102	3	Geography 103	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
	16-19		16-19		16-19

Sophomore

English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	History 203	3
English 206	3	Political Science 201	3	Psychology 201	3
Art 201	2	Art 202	2	Art 203	2
Health Education 201	3	Speech 201	3	Physical Ed. 203	1
Physical Ed. 201	1	Physical Ed. 202	1	Music 217 or Elective	3
Music 217 or Elective	3	Music 217 or Elective	3	Elective	3
	18		18		18

Junior

Education 301	3	Education 302	3	Education 303	3
Psychology 301	3	Psychology 302	3	Psychology 303	3
Music 301	2	Music 302	2	Music 303	2
Physical Ed. 213	3	English 307	3	History 306	3
Physical Ed. 214	3	Education 310	3	Art 301	3
Library Science 305	3	Library Science 304	3	Elective	3
	17		17		17

Senior

Education 405 or Education 401 or 404	15	Education 405 or Education 402 or 403	15	Education 405 or Education 401 or 404	15
Education 402 or 403	3	General Science 401 or Elective	3	General Science 401 or Elective	3
Health Education 401	3	Writing 301 or	2	Writing 401 or	2
General Science 401 or	3	Elective	7	Elective	7
Elective	6				
	15		15		15

Curriculum in English

Freshman

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101, 104, or 107	3-5	Mathematics 102, 105, or 108	3-5	Mathematics 103, 106 or 109	3-5
Biology 101 or Chemistry 101	4	Biology 102 or Chemistry 102	4	Biology 103 or Chemistry 103	4
Foreign Language 101 or 104	3	Foreign Language 102 or 105	3	Foreign Language 103 or 106	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
	17-19		17-19		17-19

Sophomore

English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	History 203	3
Foreign Language 104 or Elective	3	Foreign Language 105 or Elective	3	Foreign Language 106 or Elective	3
Psychology 201	3	Speech 201	3	Health Education 201	3
English 206 or Elective	3	English 206 or Elective	3	English 206 or Elective	3
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
	16		16		16

Junior

				Education 303	3
Education 301	3	Education 302	3	Psychology 303	3
Psychology 301	3	Psychology 302	3	English 303	3
English 301	3	English 302	3	English 305 or English elective	3
English 304 or English elective	3	English 304 or English elective	3	Education 411 or Elective	3
Elective	3	Speech 301	3		
	15		15		15

Senior

Education 407 or	15	Education 407 or	15	Education 407 or	15
English 401	3	English 453	3	English 452 or 453	3
English 452	3	English 401 or	3	English 401 or	3
Education 411 or	3	Electives	12	Electives	12
Electives	9				
	15		15		15

Curriculum in Foreign Language

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
		Freshman			
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101, 104, or 107	3-5	Mathematics 102, 105, or 108	3-5	Mathematics 103, 106, or 109	3-5
Biology 101 or Chemistry 101	4	Biology 102 or Chemistry 102	4	Biology 103 or Chemistry 103	4
Foreign Language 101 or 104	3	Foreign Language 102 or 105	3	Foreign Language 103 or 106	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
	17-19		17-19		17-19
		Sophomore			
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	History 203	3
Foreign Language 104 or 201	3	Foreign Language 105 or 202	3	Foreign Language 106 or 203	3
Psychology 201	3	Speech 201	3	Health Ed. 201	3
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
Elective	3	Elective	3	Elective	3
	16		16		16
		Junior			
Education 301	3	Education 302	3	Education 303	3
Psychology 301	3	Psychology 302	3	Psychology 303	3
Foreign Language 201 or elective	3	Foreign Language 202 or elective	3	Foreign Language 203 or elective	3
Foreign Language 301	3	Foreign Language 302	3	Foreign Language 303	3
Foreign Language 305	3	Foreign Language 306	3	Education 412	3
	15		15		15
		Senior			
Education 407 or Foreign Language 401	15	Education 407 or Foreign Language 402	15	Education 407 or Foreign Language 403	15
English 401	3	Electives	3	Electives	3
Electives	9		12		12
	15		15		15

The department recommends that a person majoring in a foreign language use his electives to take courses in a second foreign language or a second teaching field.

Curriculum in Health and Physical Education

Freshman

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Biology 101	4	Biology 102	4	Biology 103	4
Mathematics 101, 104 or 107	3-5	Mathematics 102, 105 or 108	3-5	Mathematics 103, 106 or 109	3-5
Health Education 101	3	Health Education 102	3	Health Education 103	3
Physical Ed. 110	1	Physical Ed. 111	1	Physical Ed. 112	1
	17-19		17-19		17-19

Sophomore

		English 202	3	English 203	3
English 201	3	History 202	3	History 203	3
History 201	3	Psychology 201	3	Physical Ed. 216W or Elective	2
Speech 201	3	Physical Ed. 211	3	Physical Ed. 212	3
Physical Ed. 210	3	Physical Ed. 213, 214 or 215	3	Physical Ed. 213, 214 or 215	3
Physical Ed. 213, 214 or 215	3	Physical Ed. 205	1	Physical Ed. 206	1
Physical Ed. 204	1	Physical Ed. 216W or Elective	2	Elective	3
Elective	2				
	18		18		18

Junior

				Education 303	3
Education 301	3			Psychology 303	3
Psychology 301	3	Education 302	3	Education 414 or Physical Ed. 312 or 401	3
Physical Ed. 401 or Health Education 401	3	Psychology 302	3	Health Education 401 or Elective	3
Physical Ed. 310 or 311	2	Physical Ed. 307	3	Physical Ed. 310 or 311	2
Physical Ed. 301M or 304W	1	Physical Ed. 312 or 401	3	Physical Ed. 303M or 306	1
Physical Ed. 309 or 405M	2	Health Education 401 or Elective	3	Physical Ed. 309 or 405M or 402W	2
Elective	3	Physical Ed. 302M or 305	1		
		Elective	3		
	17		19		17

Senior

		Education 407 or Education 414 or Elective	15		
Education 407 or Education 414 or Elective	15	Physical Ed. 409 or Elective	3	Education 407 or Physical Ed. 409 or Elective	15
Physical Ed. 403 or 406M	3	Physical Ed. 403 or 402W or 408	3	Physical Ed. 404 or Physical Ed. 403 or 402W or 406M	3
Physical Ed. 404 or 411M	2	Physical Ed. 410 or Elective	2	Physical Ed. 408, 411M or Elective	2
Electives	9	Electives	6	Electives	9
	15-16		15-16		15-16

Curriculum in Home Economics

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
		Freshman			
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Biology 101	4	Biology 102	4	Biology 103	4
Mathematics 101 or 104	3	Mathematics 102 or 105	3	Mathematics 103 or 106	3
Home Economics 101 or 104	3	Home Economics 102 or 105	3	Home Economics 103 or 106	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
	17		17		17
		Sophomore			
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	History 203	3
Chemistry 101	4	Chemistry 102	4	Chemistry 103	4
Home Economics 101 or 104	3	Home Economics 102 or 105	3	Home Economics 103 or 106	3
Psychology 201	3	Art 204	3	Home Economics 207	3
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
	17		17		17
		Junior			
		Education 302	3	Education 303	3
Education 301	3	Psychology 302	3	Psychology 303	3
Psychology 301	3	Physics 304	3	Biology 208	3
Home Economics 300	3	Home Economics 302	3	Home Economics 303	3
Home Economics 204	3	Home Economics 301	3	Home Economics 304	3
Economics 200	3	Home Economics 307	3	Education 413	3
	15		18		18
		Senior			
Education 407	15	Education 407	15	Education 407	15
or		or		or	
Home Economics 402	4	Home Economics 402	4	Home Economics 402	4
Education 413	3	Home Economics 406 or		Home Economics 405 or	
Sociology 401 or	3	Sociology 401 or	3	Sociology 401	3
Electives	6	Electives	9	Electives	9
	15 or 16		15 or 16		15 or 16

Curriculum in Industrial Arts

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
		Freshman			
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Science	3-4	Science	3-4	Science	3-4
Mathematics 101, 104 or 107	3-5	Mathematics 102, 105 or 108	3-5	Mathematics 103, 106 or 109	3-5
Industrial Arts 101	3	Industrial Arts 102	3	Industrial Arts 103	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
	16-19		16-19		16-19
		Sophomore			
		English 202	3		
English 201	3	History 202	3	English 203	3
History 201	3	Psychology 201	3	History 203	3
Speech 201	3	Industrial Arts 202	3	Health Ed. 201	3
Industrial Arts 201	3	Industrial Arts 205	1	Industrial Arts 203	3
Industrial Arts 204	3	Art 202	3	Industrial Arts 206	3
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
	16		17		16
		Junior			
Education 301	3	Education 302	3	Education 303	3
Psychology 301	3	Psychology 302	3	Psychology 303	3
Industrial Arts 208	3	Industrial Arts 304	3	Education 416	3
Industrial Arts 301	3	Industrial Arts 302	3	Elective	3
Industrial Arts 305	3	Industrial Arts 306	3	Industrial Arts 303	3
Industrial Arts 209	3	Elective	3	Industrial Arts 307	3
	18		18		18
		Senior			
		Education 407	15		
Physics 201	4	or		Education 407	15
Industrial Arts 317	3	Industrial Arts 318	3	or	
Industrial Arts 403	3	Industrial Arts 401	3	Industrial Arts 402	3
Electives	6	Electives	9	Electives	12
	16		15		15

Curriculum in Library Science

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
		Freshman			
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101, 104 or 107	3-5	Mathematics 102, 105 or 108	3-5	Mathematics 103, 106 or 109	3-5
Science	3-4	Science	3-4	Science	3-4
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Elective	3	Elective	3	Elective	3
	16-19		16-19		16-19
		Sophomore			
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	History 203	3
Psychology 201	3	Health Education 201	3	Speech 201	3
Library Science 201	1	Library Science 202	1	Library Science 203	1
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
Electives	6	Electives	6	Electives	6
	17		17		17
		Junior			
Education 301	3	Education 302	3	Education 303	3
Psychology 301	3	Psychology 302	3	Psychology 303	3
Library Science 301	3	Library Science 302	3	Library Science 303	3
Library Science 305	3	Library Science 306	3	Library Science 307	3
English 304	3	English 302	3	English 303	3
English 307	3	Elective	3	Elective	3
	18		18		18
		Senior			
Library Science 401	3	Library Science 402	3	Education 407	15
Library Science 403	3	Library Science 404	3		
Library Science 451	3	Library Science 450	3		
Library Science 453	3	Library Science 452	3		
Elective	3	Elective	3		
	15		15		15

Curriculum in Mathematics

Freshman

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Biology 101 or Chemistry 101	4	Biology 102 or Chemistry 102	4	Biology 103 or Chemistry 103	4
Mathematics 104 or 107	3-5	Mathematics 105 or 108	3-5	Mathematics 106 or 109	3-5
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Elective	3	Elective	3	Elective	3
	17-19		17-19		17-19

Sophomore

		English 202	3		
English 201	3	History 202	3	English 203	3
History 201	3	Health Ed. 201	3	History 203	3
Psychology 201	3	Mathematics 202 or 302	3-4	Mathematics 203 or 303	3-4
Mathematics 201 or 301	3-4	Mathematics 206	1	Physics 203	4
Physics 201	4	Physics 202	4	Elective	3
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
	17-18		18-19		17-18

Junior

Education 301	3				
Psychology 301	3	Education 302	3	Education 303	3
Mathematics 301 or Elective	4	Psychology 302	3	Psychology 303	3
		Mathematics 302 or 450	4-3	Mathematics 303 or 451	4-3
Mathematics 452 or 453	3	Speech 201	3	Education 408	3
Elective	3	Elective	3	Elective	3
	16		16-15		16-15

Senior

Education 407 or	15	Education 407 or	15	Education 407 or	15
Education 408 or Elective	3	Mathematics 450 or Elective	3	Mathematics 451 or Elective	3
Mathematics 452 or 453	3				
Electives	9	Electives	12	Electives	12
	15		15		15

Curriculum in Music: General

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
		Freshman			
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Science 101	3	Science 102	3	Science 103	3
Music 101	4	Music 102	4	Music 103	4
Music 110	1	Music 111	1	Music 112	1
Music 113	2	Music 114	2	Music 115	2
Music 121	1	Music 122	1	Music 123	1
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
	18		18		18
		Sophomore			
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	History 203	3
Psychology 201	3	Education 307	3	Education 308	3
Music 125	1	Music 126	1	Music 127	1
Music 201	4	Music 202	4	Music 203	4
Music 210	1	Music 211	1	Music 212	1
Music 213	2	Music 214	2	Music 215	2
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
	18		18		18
		Junior			
Education 301	3			Education 303	3
Psychology 301	3	Education 302	3	Psychology 303	3
Music 131	1	Psychology 302	3	Music 133	1
Music 304	3	Music 132	1	Music 306	3
Music 310	1	Music 305	3	Music 312	1
Music 313	2	Music 311	1	Music 315	2
Music 316	2	Music 314	2	Music 317	2
Music 318	2	Elective	3	Music 130	1
	17		16		16
		Senior			
Education 407	15	Health Ed. 201	3	Education 420	2
		Music 405	3	Music 402	3
		Music 410	1	Music 411	1
		Music 413	2	Music 414	2
		Electives	6	Electives	9
	15		15		17

Curriculum in Music: Instrumental

For the freshman and sophomore years the curriculum in Music: Instrumental is the same as that of Music: General.

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
		Junior			
Education 301	3				
Psychology 301	3	Education 302	3	Education 303	3
Music 128	1	Psychology 302	3	Psychology 303	3
Music 131	1	Music 129	1	Music 130	1
Music 304	3	Music 132	1	Music 133	1
Music 310	1	Music 305	3	Music 306	3
Music 313	2	Music 311	1	Music 312	1
Music 316	2	Music 314	2	Music 315	2
Music 318	2	Music 403	2	Music 317	2
	18		16		16

Senior

Education 407	15	Education 419	2		
		Health Education 201	3	Music 402	3
		Music 405	3	Music 404	2
		Music 410	1	Music 411	1
		Music 413	2	Music 414	2
		Electives	6	Electives	9
	15		17		17

Curriculum in Music: Piano

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
		Freshman			
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Science 101	3	Science 102	3	Science 103	3
Music 101	4	Music 102	4	Music 103	4
Music 110	1	Music 111	1	Music 112	1
Music 113	2	Music 114	2	Music 115	2
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
	17		17		17
		Sophomore			
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	History 203	3
Psychology 201	3	Music 176	1	Music 176	1
Music 176	1	Music 202	4	Music 203	4
Music 201	4	Music 210	1	Music 211	1
Music 213	3	Music 214	3	Music 215	3
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
	18		16		16
		Junior			
Education 301	3				
Psychology 301	3	Education 302	3	Education 303	3
Music 176	1	Education 309	3	Psychology 303	3
Music 212	1	Psychology 302	3	Health Education 201	3
Music 304	3	Music 176	1	Music 176	1
Music 313	4	Music 305	3	Music 306	3
Music 316	2	Music 314	4	Music 315	4
	17		17		17
		Senior			
Education 407	5	Education 407	5		
Music 176	1	Music 176	1		
Music 318	2	Music 405	3	Education 407	5
Music 413	4	Music 414	4	Music 402	3
Music 452	3	Elective	3	Electives	6
	15		16		14

Curriculum in Social Studies

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
		Freshman			
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Science	3-4	Science	3-4	Science	3-4
Mathematics 101, 104 or 107	3-5	Mathematics 102, 105 or 108	3-5	Mathematics 103, 106 or 109	3-5
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Elective	3	Elective	3	Elective	3
	16-19		16-19		16-19
		Sophomore			
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	History 203	3
Economics 201	3	Economics 202	3	Economics 203	3
Political Science 201	3	Psychology 201	3	Sociology 301	3
Geography 102	3	Health Ed. 201	3	Speech 301	3
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
	16		16		16
		Junior			
		Education 302	3		
Education 301	3	Psychology 302	3	Education 303	3
Psychology 301	3	English 302	3	Psychology 303	3
English 301	3	Political Science 301	3	English 303	3
Geography 301	3	History 305	1	Education 410	3
History 305	1	History 302 or		History 305	1
History 301 or		Elective	3	History 303 or	
Elective	3	History 306	3	Elective	3
	16		19		16
		Senior			
Education 407 or Education 410, Majors and Electives	15	Education 407 or Education 410, Majors and Electives	15	Education 407 or Majors and Electives	15
	15		15		15

COURSES OF INSTRUCTION

Courses are listed in alphabetical order by departments. Courses numbered 100 to 199 inclusive are normally offered for freshmen; 200 to 299 for sophomores; 300 to 399 for juniors; 400 to 449 for seniors; 450 to 499 for seniors and graduates; 500 and above for graduates. Courses open to lower classes are also open to upper classes.

The figure in brackets preceding a course title indicates the course number used in former catalogs.

The figure in parenthesis after the course title tells the credit in quarter hours; for example the figure (3) means three quarter hours.

Quarters of the year in which the course is offered are represented by symbols: "F" for fall quarter, "W" for winter quarter, "S" for spring quarter, "SS" for summer session, "Ex" for extension.

A hyphen in the course number, credit, and quarters of the year in which the course is offered indicates that the course extends through two or more quarters and that the preceding quarter must be completed before the following quarter can be taken.

The comma in the course number, credit, and quarters indicates that the course is continuous but that one quarter may be taken independently of another.

The semicolon in the credit and quarter indicates that the course is a one quarter course and is repeated in a subsequent quarter.

Special requirements for admission to a course are stated after the word *prerequisite.*

The administration reserves the right to withdraw courses for which there is insufficient enrollment.

ART

CATHERINE SMITH, *Chairman,* E. WILLIAMS.

201. FUNDAMENTALS OF ART (2) . F.

A study of various materials and their uses; the principles of art structure employing drawing, lettering, composition, color, and design in different projects. Three hours a week.

202. DRAWING FOR PRIMARY AND GRAMMAR GRADES (2) . W.

Perspective, color theory and harmony, design, figure drawing, simple shading and mass arrangements, mural painting, and integration of art with other school subjects. Prerequisite: Art 201. Three hours a week.

203. INDUSTRIAL ART FOR PRIMARY AND GRAMMAR GRADES (2) . S.

Designing and making simple forms in paper, cardboard, cloth, wire; clay modeling, papier-mâché, puppets; simple projects in wood construction, toys, and the use of tools suitable for the grade level. Prerequisites: Art 201, 202. Three hours a week.

204 [213]. APPLIED DESIGN (3) . W.

Application of color theory and perspective in drawings and decoration for interiors of rooms, figure analysis, costume design, and decorative design using various kinds of motifs.

205 [214]. DECORATIVE DESIGN (3) . S.

Execution of original designs suitable for different purposes, depending on media and technique used in block prints, stencils, silk screen on cloth, weaving, basketry, copper enamel work, and other crafts suitable to the classroom or summer camp.

301 [308]. ART APPRECIATION (3). F; S.

Principal forms of art developed by various cultures; architecture, painting, sculpture, art in handicraft and machine eras, industrial design, stage art, and commercial art. Three hours a week.

401 [415]. WEAVING (2). SS.

An introduction to weaving, using various types of looms; emphasis is placed on creativity, use of inexpensive materials and easily constructed weaving devices. Each student will pay for the actual materials used, and all articles made by the students become their property. Fee $5.00 per term.

450 [416]. WEAVING (3). SS.

Assembling a loom; making warps and threading looms; reading and writing drafts; creating and constructing fabric designs through various weaving techniques and yarn combinations; samples and finished pieces. Each student will pay for the actual materials used, and all articles made by the students become their property. Fee $5.00. Prerequisite: Art 401, or equivalent.

453 [456]. ART EDUCATION WORKSHOP (3). SS; Ex.

Same as Education 453.

BIOLOGY, GEOLOGY, AND GENERAL SCIENCE

F. R. DERRICK, *Chairman*, M. A. ALAMUDDEEN, I. W. CARPENTER, JR., J. F. RANDALL, K. ROBINSON, L. N. SMITH, F. L. TARLETON, T. VERGEER.

A major in Biology consists of 36 quarter hours above the 100 course level, including 201, 202, 203, 204, 205, 206, 207, 208, 209, 301, 454, 455.

A biology major is required to take the Optional Examination of the National Teacher Examination.

101-102-103. GENERAL BIOLOGY (4-4-4). F-W-S.

A foundation course in biology. Principles and theories; morphology and physiology; genetics, embryology, and conservation. Lecture three hours, laboratory two hours.

201-202-203 [205, 205a, 208]. ZOOLOGY (3-3-3). F-W-S.

Principles of zoology and survey of invertebrates; vertebrates; genetics, evolution and ecology. Prerequisite: 101-102-103. Lecture two hours, laboratory two hours.

204-205 [204a]-206. BOTANY (3-3-3). F-W-S.

Anatomy and physiology of spermatophytes; taxonomy and morphology of cryptogams; taxonomy of phenerogams. Prerequisite: 101-102-103. Lecture two hours, laboratory two hours.

207 [205a]. VERTEBRATE ANATOMY (3). W.

A comparative study of the origin, evolution, and present condition of the vertebrate structures. Prerequisite: 101-102-103. Lecture two hours, laboratory two hours.

208 [206]. BACTERIOLOGY (3). F; S.

A study of the morphology and physiology of bacteria and their relation to man. Prerequisite: 101-102-103 and Chemistry 101-102-103. Lecture two hours, laboratory two hours.

209 [221]. EMBRYOLOGY (3). S.

Gametogenesis, fertilization, and structural development of the vertebrate embryo. Prerequisite: 101-102-103. Lecture two hours, laboratory two hours.

301 [310]. INTRODUCTORY ANIMAL PHYSIOLOGY (3). W.
Fundamental principles of animal physiology. Prerequisite: 101-102-103 and Chemistry 101-102-103. Lecture two hours, laboratory two hours.

401. PROBLEMS AND PROJECTS IN BIOLOGY (3). F;W;S.
Individual problems or projects carried on by superior students under the supervision of the biology staff. Prerequisite: Special permission.

Senior-Graduate Courses

450 [407]. NATURE STUDY (3). SS.
Observation of common plants and animals, methods of collecting, organizing, and presenting nature study materials in the grades.

451 [410]. ORNITHOLOGY (3). S;SS.
An introduction to the anatomy, physiology, behavior, ecology, and identification of birds. Lecture two hours, laboratory two hours.

452 [420]. MICRO-TECHNIQUE (3). F; SS.
Technical methods used in preparing materials for microscopic study; practical training in preparation of permanent slides of small organisms and tissues of higher organisms. Lecture one hour, laboratory four hours.

453 [422]. HISTOLOGY (3). W; SS.
Microscopic anatomy of the vertebrate body, including a study of the principal tissues and organs. Prerequisite: Senior standing and 24 quarter hours of undergraduate biology. Lecture two hours, laboratory two hours.

454 [423]. GENETICS (3). F; SS.
A study of principles of variation and heredity governing plants and animals, with special reference to man. Prerequisite: 101, 102, 103.

455 [430]. ELEMENTARY PLANT PHYSIOLOGY (3). S; SS.
A study of the basic principles of plant physiology and fundamental processes such as cell properties, water relations, growth, photosynthesis, respiration, and mineral nutrition. Prerequisite: 101-102-103, 204, 205, 206 and Chemistry 101, 102, 103. Lecture two hours, laboratory two hours.

Graduate Courses

500. PLANT ECOLOGY (3). SS.
A study of units of vegetation and plant succession; factors of the habitat; soils and climate; taxonomy of local flora and preparation of herbarium material. Lecture, laboratory, and field work five hours.

501. ANIMAL ECOLOGY (3). F; SS.
A study of the ecological principles, relationships, habitats, and economic importance of animals. Lecture two hours, field work two hours.

502. FRESH WATER BIOLOGY (3). SS.
A study of the physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Largely a field course dealing with various approved methods of studying the fresh waters of North Carolina. Lecture two hours, field work two hours.

503 [504]. BACTERIOLOGY OF WATER, MILK, FOOD, AND SEWAGE (3). SS.
Laboratory and field methods dealing with the sanitary aspects of foods and food handling; sources and kinds of bacteria in milk; water and sewage with their sanitary significance. Lecture two hours, laboratory two hours.

504 [505]. TAXONOMY OF SEED PLANTS (3). SS.

A study of the gross structure, reproduction, and development of the spermatophytes. Special emphasis is placed upon the classification and naming of the flowering plants. Lecture two hours, field work two hours.

505 [506]. ANIMAL PHYSIOLOGY (3). W;SS.

A study of the physiological principles of the vertebrates; laboratory experiments, reports, readings, and lectures. Lecture two hours, laboratory two hours.

506 [507]. BIOLOGICAL PROBLEMS (3). F;W;S;SS.

Graduate students with an approved subject of investigation may register for this course. The work will be subject to their individual needs.

507 [508]. SEMINAR (3). S;SS.

Lectures, readings, and discussions dealing with biological principles and theories.

508 [509]. BIOLOGY IN THE HIGH SCHOOL (3). SS.

A review of topics covered in high school biology with emphasis upon recent advancements in these fields and upon methods and materials.

509 [510]. EVOLUTION (3). S;SS.

The evidences of organic evolution will be considered and evaluated from the paleontological, morphological, and physiological standpoints.

510 [525]. ENTOMOLOGY (3). SS.

A study of injurious and beneficial insects, their classification, life histories, distribution, and influence upon man. Methods of collecting and preserving insects are considered; each student is required to prepare a representative collection. Lecture two hours, laboratory two hours.

511 [530]. FIELD BIOLOGY (6). SS.

A concentrated course in field botany and field zoology. The course will consist of a three-week unit in field botany and a three-week unit in field zoology. Each unit will be taught for two three-week periods and the participants will be divided so that there will not be over twenty-five per class. The course is in conjunction with the National Science Foundation Institute only. Registration will be limited.

512 [552]. LOCAL FLORA (3). SS.

A course designed specifically for the primary and grammar grade teachers. A study of the common flora and economic plants of North Carolina including the collection, common name identification, and methods of preservation. Lecture two hours, laboratory and field work two hours.

514. PLANT ANATOMY AND MORPHOLOGY (3). S; SS.

A general survey of the external and internal structure of plants; detailed study of anatomy and morphology of representative plants from all the phyla. Lecture two hours, laboratory two hours.

550. MASTER OF ARTS THESIS (6). F,W,S.

See Education 550.

GENERAL SCIENCE

101-102-103. GENERAL SCIENCE (3-3-3). F-W-S

A survey course in the physical and natural sciences. Introduction to elementary physical principles; elementary electrical and chemical principles; elementary biological principles. Lecture two hours, laboratory two hours.

401 [450]. METHODS IN ELEMENTARY SCIENCE (3). F;W;S.

Methods and materials in elementary science.

Senior-Graduate Courses

450 [463]. SCIENCE IN ELEMENTARY GRADES (3). SS.

A course in physical science for elementary school workers. Lecture and demonstrations three hours.

451 [463a]. WORKSHOP IN ELEMENTARY SCHOOL SCIENCE (3). SS; Ex.

An intensive course devoted to elementary school science, including both science information and concepts and effective methods of instruction. Lecture and demonstrations three hours. Same as Education 451.

GEOLOGY

301-302. PHYSICAL GEOLOGY (3-3). F;W;S.

Scientific description of the composition of the earth, physical processes which change the earth's surface with special emphasis given to the geology of the Southeastern States. Lecture two hours, laboratory two hours.

303. HISTORICAL GEOLOGY OF EASTERN NORTH AMERICA (3). F;S.

History of the earth and its inhabitants as related to Eastern North America. Prerequisite: 301 and 302. Lecture two hours, laboratory two hours.

BUSINESS EDUCATION

O. SUTTON, *Chairman,* A. BLACKBURN, M. HAWKINSON, J. F. JONES, J. RINER, K. TULLY.

The department of Business Education is an institutional member of the National Association of Business Teacher Education.

A major in Business Education consists of a minimum of 72 quarter hours above course level 103. These courses include 104, 201, 202, 203, 204, 205, 206, 302, 303, 304, 305, 306, 307, 401, 402, 403, 404, 405, and Economics 201, 202, 203, 304, and 6 elective hours in Economics. A major in Business Education may qualify for a certificate in Social Studies by completing 3 hours of geography, 6 hours of government, and 3 hours of sociology.

All majors must take the Optional Examination of the National Teacher Examination.

101, 102-103. TYPEWRITING (3,3-3). F,W-S.

The typewriting keyboard and theory. Students who have completed successfully one semester of typewriting in secondary school or equivalent will be required to register for 102. Recitation and laboratory five hours.

104 [121]. BUSINESS MATHEMATICS (3). S.

The fundamental processes of mathematics and their application to common business practices.

201, 202-203 [204, 205, 206]. SHORTHAND (3,3-3) . F, W-S.

Mastery of principles of Gregg Shorthand and ability to take dictation. Students who have completed successfully one semester of shorthand in secondary school or equivalent will be required to register for 202. Recitation five hours.

204-205-206 [210, 211, 212]. ELEMENTARY ACCOUNTING (3-3-3) . F-W-S.

Principles and fundamentals of accounting procedure and practices.

300. TYPEWRITING (3) . S.

A terminal course for non-business-teachers in the use of the typewriter and duplicating machines. Recitation and laboratory five hours.

301. PRINCIPLES OF SELLING (3) . S.

A study of the basic principles and techniques of selling.

302 [308]. BUSINESS CORRESPONDENCE (3) . W; S.

The principles and application of business letter writing.

303 [309]. OFFICE MACHINES (3) . F;W;S.

Practice in the use of common office machines. Prerequisites: Typewriting and Accounting.

304-305 [316, 317]. ADVANCED SHORTHAND (3-3) F-W.

Ability to take rapid dictation and transcribe it. Prerequisites: 202-203. Recitation and laboratory five hours.

306-307-308 [322, 323, 324]. INTERMEDIATE ACCOUNTING (3-3-3) . F-W-S.

Application of accounting to various forms of business organization. Prerequisites: 204-205-206.

401 [421]. BUSINESS LAW (3) . W; S.

Law relating to business, technical principles involved in contracts, negotiable instruments, and agency.

402 [423]. BUSINESS POLICIES AND PRACTICES (3) . W; S.

A study of the basic policies and practices in performing the functions of business.

403 [424]. OFFICE PRACTICE (3) . F;W;S.

At least ninety hours of actual work in an office. Group conferences to be arranged.

404 [427]. PRINCIPLES OF BUSINESS EDUCATION (3) . F; S.

A study of the curriculum, current problems, and other interrelated factors in business education.

405 [429]. MATERIALS AND METHODS OF TEACHING THE NON-SKILL BUSINESS COURSES (3) . F; S.

A study of the use of different teaching aids and successful methods used in the teaching of the basic business subjects.

Senior-Graduate Courses

450. PRINCIPLES OF INSURANCE (3) . W.

A theoretical and practical study of the different kinds of insurance. Offered 1961 SS.

451. OFFICE MANAGEMENT (3) . F.

A study of principles of scientific management as they relate to the office.

452. TAX ACCOUNTING (3) . S.
A study of the Federal Income Tax Laws and preparation of tax reports. Prerequisites: 204-205-206. Offered 1961 SS.

453. THEORY OF ACCOUNTING (3) . SS.
A further study of the basic principles of accounting. Offered 1961.

Graduate Courses

500. RESEARCH IN BUSINESS EDUCATION (3) . F;W;S.
Directed independent research in the field of business education.

501. SURVEY OF BUSINESS FINANCE (3) . SS.
Principles and problems of financing a business enterprise and their relationship to the investor and the consumer.

502. MARKETING PROBLEMS AND POLICIES (3) . SS.
Marketing organizations and methods with emphasis upon functions, institutions, and channels and their relationship to the consumer. Offered 1961.

503. ADVANCED BUSINESS LAW (3) . SS.
Law as it applies to the everyday business transactions of individuals and the organization and operation of a business enterprise.

504. THEORY OF AUDITING (3) . SS.
Basic principles of auditing with emphasis on analyzing and verifying records and reports.

505. CURRENT PROBLEMS IN BUSINESS EDUCATION (3) . SS.
Problems in organizing and administering a business education program in the high schools. Offered 1961.

506. IMPROVEMENT OF INSTRUCTION OF THE SECRETARIAL SUBJECTS (3) . SS.
Trends and research in the teaching of shorthand, typewriting, and related subjects. Offered 1961.

507. IMPROVEMENT OF INSTRUCTION IN THE BASIC BUSINESS SUBJECTS (3) . SS.
Objectives, organization of the curriculum, instructional materials, and methods of instruction of the basic business subjects.

508. BUSINESS REPORT WRITING (3) . W; SS.
A study of principles and functions of communications for a business enterprise. Offered 1961 SS.

550. MASTER OF ARTS THESIS (6) . F; W; S.
See Education 550.

CHEMISTRY

W. G. SINK, *Chairman,* G. ATWOOD, D. W. SINK.

A major in Chemistry consists of a minimum of 44 or 48 quarter hours in Chemistry, including 101, 102, 103, 106, or 104, 105, 106, and 201, 202, 203, 301, 302, 303, 401, 402.

A student who takes his major work in Chemistry may also qualify for a Certificate in General Science by completing Geology 301-302, and a Certificate in Mathematics by completing nine additional hours in Mathematics.

101-102-103. GENERAL CHEMISTRY (4-4-4). F-W-S.
Basic principles of chemistry; structure and behavior of atoms; classification and properties of the elements. Lecture three hours, laboratory two hours.

104-105. GENERAL CHEMISTRY (4-4). F-W.
Advanced treatment of basic principles with emphasis on modern atomic theory. Open to chemistry majors who show adequate prior training in chemistry. Lecture three hours, laboratory two hours.

106 [307]. QUALITATIVE INORGANIC ANALYSIS (4). F;S.
General principles involved in separation and identification of the more common cations and anions. Laboratory practice in identifying the ions in a variety of unknowns. Prerequisite: 101-102-103 or 104-105. Lecture two hours, laboratory four hours.

201-202-203 [204-205-206]. ORGANIC CHEMISTRY (4-4-4). F-W-S.
Chemistry of aliphatic, alicyclic, aromatic and heterocyclic organic compounds. Laboratory practice in class reactions; synthesis of typical organic compounds. Prerequisite: 101-102-103 or 104-105-106. Lecture three hours, laboratory three hours.

301-302-303. PHYSICAL CHEMISTRY (4-4-4). F-W-S.
Mathematical treatment of theories underlying the properties and relationships of solids, liquids, gases and solutions of these, including gas behaviors, thermochemistry, thermodynamics, chemical kinetics, photochemistry, electrochemistry, and radiochemistry. Prerequisite: Mathematics 301, 302, 303 and Physics 201, 202, 203. Lecture three hours, laboratory three hours.

401 [308]. VOLUMETRIC QUANTITATIVE ANALYSIS (4). F.
Methods of quantitative analysis based on stoichiometry, including classical titrations; modern electrometric and photometric methods, applied to unknowns. Prerequisite: 301-302-303. Lecture three hours, laboratory three hours.

402 [309]. GRAVIMETRIC QUANTITATIVE ANALYSIS (4). W.
Typical separations and gravimetric quantitative procedures applied to unknowns, including electrodeposition and special modern practical methods. Prerequisite: 106. Lecture three hours, laboratory three hours.

Senior-Graduate Courses

450. QUALITATIVE ORGANIC ANALYSIS (4). F;SS.
A systematic procedure for the identification of organic compounds. Laboratory practice in identifying pure organic compounds and mixtures. Prerequisite: 201-202-203. Lecture two hours, laboratory four hours.

452. ADVANCED ANALYTICAL CHEMISTRY (4). W;SS.
Modern methods of analysis, including photometry, spectrophotometry, polarimetry, electrodeposition, polarography, pH and potentiometric titrations, amperometry, coulometry, chromotography, electrophoresis and radiological methods. Prerequisite: 401. Lecture three hours, laboratory three hours.

454. BIOCHEMISTRY (4). S;SS.
Properties and metabolism of carbohydrates, lipids and proteins; chemistry of body fluids; biologically active compounds. Prerequisite: 201-202-203. Lecture three hours, laboratory three hours.

456. SPECIAL PROJECTS IN CHEMISTRY (2 to 4). W;SS.
Open to seniors majoring in chemistry.

500. MODERN CHEMISTRY (3). SS.
Advanced reviews of principles of general chemistry with emphasis upon modern atomic theory. More mathematical treatment of physico-chemical principles. Introduction to modern methods of analysis. Admission by approval of instructor.

EDUCATION AND PSYCHOLOGY

B. H. HORTON, *Chairman,* J. P. BAGLEY, J. G. BARDEN, B. G. BOSWORTH, J. E. BRYSON, B. CAMPBELL, J. COREY, G. COUNCILL, R. G. FRACKER, W. E. FULMER, W. HEEB, JR., I. F. JONES, J. R. MELTON, D. J. MIDDLETON, P. ORR, U. PRICE, J. A. PRITCHETT, JR., B. RAMEY, R. L. RANDALL, L. REYNOLDS, N. W. SHELTON, W. F. SMITH, J. E. STONE.

Students preparing to teach in the Elementary School must complete Education 301, 302, 303, 310, 401, or 404, 402, or 403, and 405 (Student Teaching for one quarter); Psychology 301, 302, 303, and the following related courses: Art 201, 202, 203, 301; English 206, 307; Geography 101, 102, 103; Political Science 201; Health 401; History 306; Physical Education 213, 214; Library Science 304, 305; Music 217, 301, 302, 303; General Science 401; Writing 301 or 401.

By the end of the junior year, a major in Elementary Education should show proficiency in typing.

301-302-303 [331, 332, 333]. THE SCHOOL (3-3-3). F-W-S.

A study of the development and organization; management, administration, and curriculum; materials, methods, and principles of instruction; purposeful directed observation; differentiation for elementary and secondary school majors; professional laboratory experiences provided as an integral part of these courses, taken concurrently with Psychology 301-302-303.

304 [303]. SOCIAL STUDIES IN THE ELEMENTARY GRADES (3). S.

The place of social studies in the elementary curriculum: objectives, instructional procedures, materials, and evaluative criteria.

307 [221, 222]. MUSIC IN THE ELEMENTARY SCHOOL (3). F.

Same as Music 307.

308 [322, 323]. MUSIC IN THE SECONDARY SCHOOL (3). W.

Same as Music 308.

309 [324, 325, 326]. PIANO PEDAGOGY (3). S.

Same as Music 309.

310. FOUNDATIONS OF READING INSTRUCTION (3). F;W;S.

Emphasis is placed upon an understanding of all aspects of the total reading program in the elementary school.

401. READING IN THE PRIMARY GRADES (3). F;S.

Principles and practices of a balanced reading program. A study of systematic and differentiated procedures based on recent research. Prerequisites: Education 301, 302, 310, Psychology 301, 302.

402 [405]. ARITHMETIC IN THE PRIMARY GRADES (3). F;W.

Ways and means of developing number ideas and associating number symbols; fundamental number facts; fundamental operations with integers; the decimal system; use of simple fractional parts of number. Prerequisites: Education 301, 302, Psychoolgy 301, 302.

403 [406]. ARITHMETIC IN THE GRAMMAR GRADES (3). F;W;S.

Investigations as to how children learn the fundamental processes, accuracy, and speed as motives, denominate numbers and further use of fractions. Prerequisites: Education 301, 302, Psychology 301, 302.

404 [413]. READING IN THE GRAMMAR GRADES (3). F;S.
Teaching the fundamentals of reading at the grammar grade level; improvement of word recognition skills, rate, and comprehension; development of effective reading-study techniques. Prerequisites: Education 301, 302, 310, Psychology 301, 302.

405 [414]. STUDENT TEACHING: ELEMENTARY SCHOOL (15). F;W;S.

406 [414a]. ADVANCED STUDENT TEACHING (10). SS.
An advanced course in student teaching during the session of the Elementary Laboratory School, June to August. Open only to those who have teaching experience. Application for this course must be made to the Director of Student Teaching by March 1.

407 [415]. STUDENT TEACHING: HIGH SCHOOL (15). F;W;S.

408 [420]. TEACHING HIGH SCHOOL MATHEMATICS (3). F;S.
Prerequisites: Education 301, 302, Psychology 301, 302.

409 [423]. TEACHING HIGH SCHOOL SCIENCE (3). F;W;S.
Prerequisites: Education 301, 302, Psychology 301, 302.

410 [424]. TEACHING HIGH SCHOOL SOCIAL STUDIES (3). F;W;S.
Prerequisites: Education 301, 302, Psychology 301, 302.

411 [425]. TEACHING HIGH SCHOOL ENGLISH (3). F;S.
Prerequisites: Education 301, 302, Psychology 301, 302.

412 [426]. TEACHING MODERN LANGUAGES (3). S.
Prerequisites: Education 301, 302, Psychology 301, 302.

413 [427]. TEACHING HOME ECONOMICS (3). F;S.
Prerequisites: Education 301, 302, Psychology 301, 302.

414 [428]. TEACHING PHYSICAL EDUCATION (3). F;W;S.
Prerequisites: Education 301, 302, Psychology 301, 302.

416 [431]. TEACHING INDUSTRIAL ARTS (3). S.
Prerequisites: Education 301, 302, Psychology 301, 302. Not offered 1960-61.

417 [470]. TEACHING BUSINESS EDUCATION (3). F;W;S.
Prerequisites: Education 301, 302, Psychology 301, 302.

418 [460]. SUBSTITUTE TEACHING (3). F;W;S.
See Substitute Teaching, page 46.

419 [429]. INSTRUMENTAL METHODS AND MATERIALS (2). W.
A comprehensive survey of the materials and methods in instrumental class teaching. Prerequisites: Education 301, 302, Psychology 301, 302. Same as Music 419.

420. CHORAL METHODS AND MATERIALS (2). S.
A comprehensive survey of the materials and methods in choral teaching. Same as Music 420.

Senior-Graduate Courses

450 [411]. LITERATURE AND THE CHILD (3). F.
An interpretation and critical study of literature suitable for children.

451 [463a]. WORKSHOP IN ELEMENTARY SCHOOL SCIENCE (3 or 6) SS; Ex.
Same as General Science 451.

452 [446]. DIAGNOSTIC AND REMEDIAL TEACHING (3). W.
A study of the problems of discovering the cause or lack of progress in elementary school and the remedies to correct it.

453 [456]. ART EDUCATION WORKSHOP (3). SS; Ex.
Same as Art 453.

454 [457]. SPEECH EDUCATION WORKSHOP (3). SS.

455 [461]. HONOR TEACHING (4). F;W;S.
See Honor Teaching, page 46. (Graduate students may earn only three quarter hours.)

456 [476]. WORKSHOP IN THE USE OF THE LIBRARY (3 or 6). Ex.
Same as Library Science 456.

457 [472a]. WORKSHOP IN ELEMENTARY SCHOOL ARITHMETIC (3). Ex.
Same as Mathematics 457.

458 [472b]. WORKSHOP IN SECONDARY SCHOOL MATHEMATICS (3). Ex.
Same as Mathematics 458.

459 [477]. WORKSHOP IN SOCIAL STUDIES EDUCATION (3 or 6). Ex.
Same as Social Studies 459.

460 [437d]. WORKSHOP IN TEACHING SPELLING AND COMPOSITION (3 or 6). Ex.
Same as English 460.

462 [466]. READING IN HIGH SCHOOL (3). F;W;S.
Reading problems encountered on the high school level; reading in the content areas of the curriculum; the total school responsibility in reading improvement. Opportunities for practical application provided.

463. WORKSHOP IN THE PUBLIC SCHOOL CURRICULUM (3 or 6). SS;Ex.

464 [473]. WORKSHOP IN TEACHING READING (3 or 6). SS;Ex.

465 [474]. WORKSHOP IN LANGUAGE ARTS (3 or 6). Ex.

466 [475]. WORKSHOP IN THE USE OF AUDIO-VISUAL MATERIALS AND EQUIPMENT (3 or 6). Ex.

467 [478]. CORRELATING TEACHING WITH THE LIBRARY (3). F.
Planned to help the classroom teacher understand better the function and use of the school library as a means of vitalizing teaching; not open to Library Science majors.

468. WORKSHOP ON TELEVISION TEACHING (3). SS.

469 [487]. MUSIC EDUCATION WORKSHOP (3). SS.
Same as Music 469.

470 [488]. HEALTH EDUCATION WORKSHOP (3) . SS.

471 [491]. THE ELEMENTARY CURRICULUM (3) . SS.
A study of the elementary school curriculum in modern schools; recent trends in curriculum revision and organization.

472, 473 [492a, 492]. DIAGNOSTIC AND REMEDIAL READING . (3,3) . F;W;S
A treatment of such topics as reading difficulties, their causes, and correction procedures. Opportunities for practical application are provided.

474 [493]. STUDENT TEACHING WORKSHOP (3) . SS.

475 [494]. AUDIO-VISUAL AIDS IN EDUCATION (3) . F;W;S.
A treatment of curriculum enrichment through the use of audio-visual materials, general principles underlying the selection, production, and use of materials for instructional purposes.

476 [495]. CHILDREN'S LITERATURE WORKSHOP (3) . SS.

477 [497]. TEACHING OF READING (3) . S;SS.
A study of current practices, materials, and philosophy of teaching reading on all levels of the elementary school.

478 [498a,b]. PRINCIPLES OF GUIDANCE IN THE SCHOOL (3) . F;W;S.
An introductory study of public school guidance and counseling programs and practices.

479 [499]. WORKSHOP IN GUIDANCE AND COUNSELING (3 or 6) . SS;Ex.

Graduate Courses

500. RESEARCH IN EDUCATION (3) . F;W;S.
A study of the various types of research and the logical organization of research and reporting; required in first quarter for persons working for Master of Arts Degree.

501. BASIC PRINCIPLES AND TECHNIQUES IN EDUCATION ADMINISTRATION (3) . SS.
A study of basic structure, organization, and administration of American public education; the role of the various agencies and administrative personnel; financial support; special problems. Prerequisite: three years' teaching experience.

502 [502a]. ORGANIZATION AND ADMINISTRATION OF SECONDARY SCHOOLS (3) . F.
A study of secondary education and administration, research, curriculum, schedule making, opening and closing of school. Prerequisite: three years' teaching experience.

503 [502b]. PROBLEMS OF THE HIGH SCHOOL PRINCIPAL (3) . S.
A study of the practical problems involved in secondary schools. Prerequisite: three years' teaching experience.

504 [503]. ELEMENTARY SCHOOL ORGANIZATION AND ADMINISTRATION (3) . W.
A study of the role of the administrator in modern elementary education. Prerequisite: three years' teaching experience.

505 [504]. SUPERVISION OF INSTRUCTION (3) . S.
A study of the nature and function of supervision, recent trends, teacher participation in policy formation, the organization and planning of supervision. Prerequisite: three years' teaching experience.

506 [505]. CURRICULUM CONSTRUCTION: GENERAL PRINCIPLES (3). F.

A study of principles, effective practices, and techniques appropriate for overall curriculum planning.

507. GROWTH AND DEVELOPMENT OF THE SCHOOL CHILD (3). W;SS.

A study of the physical, mental, emotional, and social aspects of human development during the periods of childhood and adolescence.

508. REMEDIAL READING (3). SS.

A review of remedial techniques used in the treatment of reading problems; application of materials and methods for remedial work. Prerequisite: Education 472.

509. USE AND INTERPRETATION OF EDUCATIONAL TESTS AND MEASUREMENTS (3). W.

A survey and study of the principles of the construction of standard tests, with a consideration of good practices in teacher-made tests.

510. EXTRA-CURRICULAR ACTIVITIES (3). F.

A study of extra-curricular activities which modern schools are expected to carry out as a part of their educational program.

511. INVESTIGATIONS IN READING (3). W.

Investigations are made of the literature and research dealing with the teaching of reading.

512. MENTAL HYGIENE IN TEACHING (3). S.

Application of the principles of personality growth and development to the mental hygiene problems of the classroom, school, and community.

513. TEACHING AND SUPERVISION OF THE LANGUAGE ARTS IN THE ELEMENTARY GRADES (3). SS.

Oral and written communications; reading and children's literature.

514. THE PSYCHOLOGY OF BEHAVIOR DISORDERS (3). S.

A study of personality maladjustments, delinquency, and emotional instability; methods of therapy used in the treatment of the more serious behavior difficulties.

515 [518a]. ORGANIZATION AND SUPERVISION OF STUDENT TEACHING (3). W.

A study of the origin and development of student teaching, including present status and trends.

516 [518b]. ACTIVITIES AND TECHNIQUES OF THE SUPERVISION OF STUDENT TEACHING (3). S.

A study of general techniques of a supervising teacher, including observation, guiding student teachers in planning, orientation of student teachers, student teacher participation, and evaluations.

517 [519]. COUNTY AND CITY SCHOOL SUPERVISION (3). SS.

This course is planned for students preparing for positions as general county and city supervisors.

518 [520]. PUBLIC SCHOOL FINANCE (3). SS.

An analysis of legal, economic, sociological, and philosophical foundations; survey of guiding principles and current practices in the administration of financial transactions. Prerequisite: three years' teaching experience.

519 [521]. ANALYSIS OF THE INDIVIDUAL (3). W;SS.
An application of psychological principles and guidance techniques to self-appraisal and the appraisal of the personality of others.

520 [522]. OCCUPATIONAL AND EDUCATIONAL INFORMATION (3). S;SS.
Designed to acquaint teachers and counselors with sources and uses of vocational and educational information.

521 [523]. PRACTICUM IN COUNSELING (6). F;W;S.
Actual practice in the application of guidance techniques for those majoring in counseling and other guidance. Prerequisites: Completion of all other requirements for a degree in counseling.

522 [524]. TOOLS AND TECHNIQUES OF GUIDANCE (3). SS.
Designed to integrate psychological principles with the tools and techniques in the guidance area in the diagnosing of problems of adjustment. Prerequisites: Education 478, Psychology 450.

523 [525]. ORGANIZATION AND ADMINISTRATION OF GUIDANCE SERVICES (3). S;SS.
Primarily designed for those who desire to study the methods of introducing and establishing a school guidance program. Prerequisite: Education 478.

524 [526]. SEMINAR IN GUIDANCE (3). SS.
Each individual will select some phase of guidance work, according to his special interests, for research and study. Prerequisites: Education 478, 500, 520, 523.

525 [528]. INDEPENDENT STUDY IN GUIDANCE (3). F;W;S.

526 [529]. GROUP METHODS IN GUIDANCE (3). F.
A study of group guidance methods and techniques most adaptable to public school guidance work and home room programs.

527 [530]. PSYCHOLOGICAL AND DIAGNOSTIC TESTING (3). SS.
Designed to give experience in administering, scoring, and interpreting various psychological tests.

528 [531]. UTILIZATION AND PREPARATION OF AUDIO-VISUAL AIDS (3). S;SS.
The course affords teachers practice in the integration of resources, materials, techniques, methods, and equipment in the instructional program and deals with production techniques and their application in teaching. Prerequisite: Education 475.

529 [532]. THE ORGANIZATION AND SUPERVISION OF SCHOOL MUSIC (3). W;SS.
The responsibilities of the music supervisor in relation to the classroom teacher, the music teacher, and the school administration. Same as Music 529.

530 [533]. INDEPENDENT WORK IN MUSIC EDUCATION (3). F;W;S;SS.
An individually directed study in some phase of music education which meets the needs of the individual. Prerequisite: Education 500. Same as Music 530.

531 [535]. SEMINAR IN MUSIC EDUCATION (3). F;SS.
A review of the philosophy and practices in music education; reading of current studies. Same as Music 531.

532 [536]. AUDIO-VISUAL WORKSHOP (3). SS.

533 [537a,b,c]. ELEMENTARY EDUCATION WORKSHOP (3). SS.

534 [540]. STATISTICAL METHODS IN EDUCATION (3) . SS.
Interpretation, use, calculation of basic statistics.

535 [542]. PHILOSOPHY OF EDUCATION (3) . W;SS.
A study of the biological, psychological, and sociological principles underlying modern life in a democracy as a basis for a sound philosophy of education.

536 [543]. THE SCHOOL IN COMMUNITY LIFE (3) . SS.
A course planned to develop an outlook and point of view which will enable the school to render a greater service to its community.

537 [545]. ADMINISTRATION OF AUDIO-VISUAL AID MATERIALS (3) . SS.
A study of the selection and evaluation of materials and equipment, the adequacy and effectiveness of the audio-visual program. Prerequisite: Education 475, or administrative experience.

538 [546]. FOUNDATIONS OF GROUP METHODS (3) . SS.
A study of the underlying ideas, problems, and dynamics of organizing and managing groups with emphasis on educational settings.

539 [547]. THE CORE CURRICULUM (3) . SS.
A study of the development and organization of the core curriculum with consideration given to objectives, methods, activities, and evaluations of this type of curriculum.

540 [548]. INTERNSHIP IN SCHOOL ADMINISTRATION (6,9, or 12) . F;W;S.
Arrangements may be made for qualified students to serve as interns under exceptionaly good administrators to gain actual experience as principal, supervisor of instruction, or superintendent. The program may be set up to allow either a full quarter of internship or for part-time internship while employed in a school system.

541 [549]. INTERNSHIP PROGRAM FOR SUPERVISING TEACHERS (3) . F;W;S.
A program designed for regularly employed public school teachers in which experiences will be provided to enable a supervising teacher to do a better job of supervising the work of a student teacher.

542 [560]. JUNIOR COLLEGE INSTRUCTION PROGRAM (3) . SS.
A study of the materials and techniques of instruction used at the junior college level.

543 [561]. ORGANIZATION AND ADMINISTRATION OF THE JUNIOR COLLEGE (3) . SS.

544 [562]. SEMINAR ON JUNIOR COLLEGES (3) . F;W;S.
Discussion and analysis of the problems, research, and recent trends in the junior college.

545 [563]. PRACTICUM IN JUNIOR COLLEGE TEACHING (3) . F;W;S;

546 [565]. CAMP LEADERSHIP AND CAMP ADMINISTRATION (3) . SS.
The training of counselors for organized camping, with special reference to planning, scheduling, and conducting the various phases of the school camping program; laboratory experiences in the Appalachian High School Camp program.

547 [566]. SCHOOL CAMPING AND THE CURRICULUM (3) . SS.
A study of the philosophy of camping, the curriculum relationships on the elementary and high school levels, with appropriate laboratory experiences in the Appalachian High School Camp program.

548, 549 [568a, 568b]. INDEPENDENT WORK IN READING (3). F;W;S;SS.

This course permits a student to study independently on a topic in reading which must be approved by the instructor. It may be taken either on or off campus while the person is teaching. Arrangements must be made for periodic conferences.

550. MASTER OF ARTS THESIS (6). F;W;S.

For students registering for work on the thesis. The profesor's name on the registration card will indicate under whose direction the work is to be done. The thesis title will carry the name of the department in which the thesis is written; for example, a thesis written in Social Studies will be numbered Social Studies 550.

551 [569]. FIELD EXPERIENCE IN TEACHING READING (3 to 9). SS.

552 [570]. SUPERVISION OF JUNIOR COLLEGE INSTRUCTION (3). SS.

Organization and planning of supervision, the development of skills in co-operative planning, and the evaluation of activiites for the college student.

553 [571]. PLANNING THE COMMUNITY COLLEGE (3). SS.

Analyzing communities and determining aims and objectives in planning curricula in general education and vocational education for the community college.

554 [572]. RESEARCH IN AUDIO-VISUAL EDUCATION (3). On demand.

Individual research on a problem in the field of audio-visual education and communication media, including investigations in the areas of audio-visual administration, analysis of content, and effects of educational communications. Prerequisites: Education 475, Education 528.

555 [573]. SEMINAR IN AUDIO-VISUAL EDUCATION (3). On demand.

A study of theory and research related to administrative and financial aspects of local, state, and national audio-visual programs; curricular integration of audio-visual materials for schools; relationship of production techniques to educational outcomes; the effects of communications on attitudes and social action. Prerequisites: Education 475, Education 537.

PSYCHOLOGY

100, 200, 300 [108, 208, 308]. ASSEMBLY (1/3). F,W,S.

Required of all freshmen, sophomores, and juniors.

201. GENERAL PSYCHOLOGY (3). F;W;S.

Fundamental problems and techniques of psychology. Prerequisite for all other courses in psychology.

301-302-303 [302, 303, 304]. THE PUPIL (3-3-3). F-W-S.

Professional laboratory experiences are provided as an integral part of these courses. The kind and number of these experiences assigned will be determined by the instructor within the framework approved by the administration.

These courses must be taken concurrently with Education 301, 302, 303.

Physical and mental development of the child: Principles of development will be observed in children of different age levels in various social settings.

The learning process: Perceptual and motor learning, thinking and problem-solving behavior, guidance in learning school subjects, measuring the results of learning, and theoretical considerations.

Motivation and adjustment: General personality trends, mental hazards of the school child, clinical experiences in analysis and treatment of various personality difficulties.

304 [305]. CHILD PSYCHOLOGY (3). SS.
Factors relating to the personality development of children; significant contributions and techniques now employed in child psychology.

305 [315]. PSYCHOLOGY OF EXCEPTIONAL CHILDREN (3). SS.
Psychology and treatment of children having various types of physical and mental handicaps. Preventive and remedial measures will be emphasized.

401 [409]. ABNORMAL PSYCHOLOGY (3). S.
A study of mental disorders, changing conceptions of abnormality, and the principles of effective mental hygiene and psychotherapy.

402 [410]. SOCIAL PSYCHOLOGY (3). F.
A study of the social aspects and motivation, suggestion, attitudes, propaganda, crowd behavior, leadership, religious activity, social misconduct, and war.

403 [413]. PSYCHOLOGY OF PERSONALITY DEVELOPMENT (3). W.
A study of factors influencing personality development and maldevelopment and problems of personality integration and improvement.

Senior-Graduate Courses

450 [498]. PSYCHOLOGY OF PERSONAL ADJUSTMENT (3). SS.
A study of the more significant contributions of psychology to important problems of life.

Graduate Courses

500. A STUDY OF THE PSYCHOLOGY OF LATE ADOLESCENCE (3). SS.

WRITING

100. REMEDIAL WRITING (0). F.
Non-credit for students who need to acquire a higher degree of legibility. Teachers may require students to take this course, and students who know they need such training may enter.

301. WRITING (2). W.
Improving student's handwriting and methods of teaching children standard letter formations.

401 [403]. MANUSCRIPT WRITING (2). S.
This course consists of the study of the standard form with sufficient exercises to develop the technique of manuscript writing; also discussion of its relation to the language arts in the primary grades.

ENGLISH

G. P. EGGERS, *Chairman*, R. AKERS, J. F. BOZARD, J. CARPENTER, F. C. COOK, D. EGGERS, D. FRENCH, D. R. HODGIN, H. B. JONES, C. JONES, F. PARK, L. SHIPMAN, J. J. VAN NOPPEN, R. V. WHITENER, C. D. WILLIAMS.

A major in English must complete nine quarter hours of a foreign language beyond the elementary course and a minimum of fifty-seven quarter hours in English and related fields above the 100 course level. These will include 201, 202, 203, 206, 301, 302, 303, 304 or 305, 401, 452, 453 and Speech 201 and 301 and 18 elective hours in English and related fields.

A student who wishes to qualify for a Certificate in English and relate English to a second field must complete the foreign language requirement and 39 quarter hours above the 100 course level, including 201, 202, 203, 206, 301, 302, 303, 304 or 305, 401, 452, 453, and Speech 201, 301.

An English major is required to take the English Optional Examination of the National Teacher Examination.

101-102-103. GRAMMAR AND COMPOSITION (3-3-3) . F-W-S.
A study of grammar, sentence structure, principles of composition, vocabulary building; written compositions; introduction to literature.

201, 202, 203 [204, 205, 206]. ENGLISH LITERATURE (3,3,3) . F,W,S.
A survey of English literature from its beginnings to the twentieth century. Prerequisites: 101, 102, 103.

204 [210]. BACKGROUNDS OF ENGLISH LITERATURE (3) . F.
A study in translation of masterpieces of classical European literature and their influence on English and American writers.

205 [221]. ELEMENTS OF JOURNALISM (3) . F;W;S.
Writing news stories, editorials, features, and reviews; make-up of school and college newspapers.

206 [251]. ADVANCED COMPOSITION (3) . F;W;S.

301, 302, 303 [307, 308, 309]. AMERICAN LITERATURE (3,3,3) . F,W,S.
A survey of American literature from its beginnings to 1900.

304 [311a]. CONTEMPORARY LITERATURE (3) . F;W.
A study of American literature from 1900 to the present.

305 [311b]. CONTEMPORARY LITERATURE (3) . S.
A study of English literature from 1900 to the present.

306 [325]. THE SHORT STORY (3) . W.
Development of the short story in America and tendencies in the contemporary short story of America and England.

307 [350]. ADVANCED ENGLISH GRAMMAR (3) . F;W;S.

401 [450]. ADVANCED ENGLISH GRAMMAR (3) . F;W;S.
For English and Foreign Language majors.

Senior-Graduate Courses

450 [400]. WORKSHOP IN THE LIVING FOLK ARTS (3) . SS.
Designed to offer students an opportunity to learn through participation the living uses of ballads, songs, tales, games, country dances, and native adaptations traditional to the pepole of the Appalachian region.

451 [416]. CHAUCER (3). F.
Reading and interpretation of selections from *The Canterbury Tales*. Offered 1961-62.

452 [417b]. SHAKESPEARE'S COMEDIES (3). F; S.
An analytical study of four representative comedies; oral and written reports on additional comedies and collateral reading.

453 [417c]. SHAKESPEARE'S TRAGEDIES (3). W; S.
An intensive study of *Macbeth, Hamlet, King Lear,* and *Othello;* oral and written reports on additional tragedies and collateral reading.

454 [418]. POETRY OF THE ROMANTIC PERIOD (3). W.
A study of the poetry of Wordsworth, Coleridge, Shelley, Byron, and Keats, with some attention to the minor poets of the period. Offered 1961-62.

455 [419]. POETRY OF THE VICTORIAN PERIOD (3). S.
A study of the poetry of Tennyson, Browning, Arnold, Rossetti, Swinburne, and others. Offered 1961-62.

456 [431]. MILTON (3). F.
Rapid reading of Milton's poetry, with major emphasis on *Paradise Lost* and *Paradise Regained*. Collateral readings from the prose works. Offered 1962-63.

457 [432]. ENGLISH LITERATURE, 1660-1744 (3). W.
English literature, exclusive of the drama, from the Restoration to the death of Pope. Offered 1962-63.

458 [433]. ENGLISH LITERATURE, 1744-1798 (3). S.
English literature, exclusive of the drama, from the death of Pope to the beginning of the Romantic period. Supplementary reading from the major novelists. Offered 1962-63.

459 [435]. BALLADS AND FOLK SONGS (3). SS.
Designed primarily for the evaluation and enjoyment of ballads and folk songs; recordings of native ballad singers are used.

460 [437d]. WORKSHOP IN TEACHING SPELLING AND COMPOSITION (3 to 6). Ex.

461 [452]. ENGLISH WORKSHOP (3). SS.

Graduate Courses

500 [505]. HISTORY OF THE ENGLISH LANGUAGE (3). F.
Origin and development of the language; the relation of English to other languages.

501 [511]. ENGLISH DRAMA, 1550-1600 (3). SS.

502 [512]. ENGLISH DRAMA, 1600-1642 (3). SS.
Prerequisite: English 501.

503. NON-DRAMATIC LITERATURE OF THE ELIZABETHAN PERIOD (3). SS.

504 [524]. THE AMERICAN NOVEL (3). F.
The development of the American novel from Charles Brockden Brown to World War I, traced through a study of representative novels. Offered 1962-63.

505 [526]. SOUTHERN LITERATURE (3). SS.
A study of the major Southern writers and their contribution to American literature.

506 [527]. MODERN DRAMA (3). W.
A study of Continental, British, and American drama from Ibsen to the present, with emphasis on social and literary values. Offered 1962-63.

507 [335]. VICTORIAN PROSE (3). SS.
A study of selected writings by Macaulay, Newman, Carlyle, Ruskin, Arnold, and Pater.

508 [541]. AMERICAN LITERATURE (3). F.
Studies in American literature from its beginnings to 1830. Offered 1961-62.

509 [542]. AMERICAN LITERATURE (3). W.
Studies in American literature, 1830-1870. Offered 1961-62.

510 [543]. AMERICAN LITERATURE (3). S.
Studies in American literature, 1870-1914. Offered 1961-62.

511 [544]. AMERICAN LITERATURE (3). S.
Studies in American literature, 1900 to the present. Offered 1962-63.

512 [561]. LITERARY CRITICISM (3). W.
The history of literary criticism from Aristotle to the end of the nineteenth century.

513 [562]. THE ENGLISH NOVEL (3). W.
The history of the novel in England from its beginnings to 1832.

514 [563]. THE ENGLISH NOVEL (3). S.
A study of the Victorian novel in its relation to the social, political, and economic background of the period.

SPEECH

201 [215]. FUNDAMENTALS OF SPEECH (3). F;W;S.
Enunciation, including an introduction to the study of phonetics; oral interpretation; oral readings of different types of literature.

301 [310]. PUBLIC SPEAKING (3). F;W;S.
The principles of effective public speaking; preparation and presentation of different types of speeches.

302. ARGUMENTATION AND DEBATE (3). On demand.

303. ACTING TECHNIQUES (3). On demand.

401 [430]. PLAY PRODUCTION (3). On demand.
Methods of solving play production problems in the public schools; acting; stage and costume designing; choosing the play, casting, directing, and mounting; special laboratory work and active participation in the college dramatic organization.

FOREIGN LANGUAGES

J. R. PRINCE, *Chairman*, N. GILBERT, M. WALTERS.

A major in Foreign Languages consists of a minimum of 39 quarter hours in one language above the course level of 103, including 104, 105, 106, 201, 202, 203, 305, 306 and five courses from 301, 302, 303, 401, 402, 403.

THE FOREIGN LANGUAGE LABORATORY

The department of Foreign Languages has a thirty-booth electronic language laboratory. Each booth is equipped with a dual-channel tape recorder, a microphone, and activated earphones. In the laboratory students listen and respond to prerecorded tapes which deal with the material covered in their courses. The main purpose of the laboratory is to increase the student's ability to pronounce, speak, and understand the language. The department believes that the laboratory increases the efficiency of language learning and that the extra hours spent in the laboratory can be the student's most productive study time.

FRENCH

101-102-103. ELEMENTARY FRENCH (3-3-3). F-W-S.

The essentials of French grammar, vocabulary and idioms; conversational texts used to develop fluent speech and accurate pronunciation. Open to those with no previous preparation in French or those who make a low score on the French test. Recitation three hours and laboratory two hours.

104-105-106. INTERMEDIATE FRENCH (3-3-3). F-W-S.

Review of French grammar and vocabulary; aural-oral practice in classroom and laboratory; readings in French from selected texts. Prerequisite: two units of high school French and a good score on French test or 101-102-103. Recitation three hours and laboratory two hours.

201, 202, 203 [207, 208, 209]. CONVERSATIONAL FRENCH (3,3,3). F,W,S.

A course to give practical experience in speaking French; students converse with each other, take dictation, memorize and recite dialogues, ask and answer questions; some composition in French. Prerequisite: 104-105-106 or the equivalent. Recitation three hours and laboratory two hours.

301, 302, 303 [310, 311, 312]. FRENCH LITERATURE TO 1800 (3,3,3). F,W,S.

A survey of the development of the French language and literature; extensive outside readings; class text material chosen from great authors; class reports on plays. 301 approximately to 1630; 302 the seventeenth century or the classic period; 303 the eighteenth century. Prerequisite: 104-105-106 or the equivalent. Lecture three hours and some laboratory work.

305, 306. FRENCH CIVILIZATION (3,3). F,W.

A brief study of the history, government, geography, art, music, customs, educational system of France. A course designed to give useful information about the people who speak French; background reading and study. Prerequisite: 104-105-106 or the equivalent. Lecture three hours and some laboratory work.

401, 402, 403 [413, 414, 415]. FRENCH LITERATURE OF THE NINETEENTH AND TWENTIETH CENTURIES (3,3,3). F,W,S.

A survey of French literature in modern times; text material chosen from the great authors; class reports on plays; extensive outside readings. 401 covers the Romantic period; 402 from about 1850 to 1920; 403 modern contemporary literature particularly since World War II. Prerequisite: 104-105-106 or the equivalent. Lecture three hours and some laboratory work.

SPANISH

101-102-103. ELEMENTARY SPANISH (3-3-3). F-W-S.

The essentials of Spanish grammar, vocabulary and idioms; conversational texts used to develop fluent speech and accurate pronunciation. Open to those with no previous preparation in Spanish or those who make a low score on Spanish test. Recitation three hours and laboratory two hours.

104-105-106. INTERMEDIATE SPANISH (3-3-3). F-W-S.

Review of Spanish grammar and vocabulary; aural-oral practice in classroom and laboratory; readings in Spanish from selected texts. Prerequisite: two units of high school Spanish and a good score on Spanish test or Spanish 101-102-103. Recitation three hours and laboratory two hours.

201, 202, 203 [207, 208, 209]. CONVERSATIONAL SPANISH (3,3,3). F,W,S.

A course to give practical experience in speaking Spanish; students converse with each other, take dictation, memorize and recite dialogues, ask and answer questions; some composition in Spanish. Prerequisite: Spanish 104-105-106 or the equivalent. Recitation three hours and laboratory two hours.

301, 302, 303 [310, 311, 312]. SURVEY OF SPANISH LITERATURE (3,3,3). F,W,S.

A study of the masterpieces of Spanish literature particularly the *Siglo de Oro,* Don Quijote, the Romantic period and the regional novel; class texts chosen from greatest authors; extensive outside readings and class reports. Prerequisite: Spanish 104-105-106 or the equivalent. Lecture three hours and some laboratory work.

305, 306. HISPANIC CIVILIZATION (3,3). F,W.

A brief study of the history, government, geography, art, music, customs, educational systems of Spain and the Spanish-American countries. A course designed to give useful information about the people who speak Spanish; background reading and study. Prerequisite: Spanish 104-105-106. Lecture three hours and some laboratory work.

401, 402, 403 [413, 414, 415]. SURVEY OF SPANISH-AMERICAN LITERATURE (3,3,3). F,W,S.

The most important writings from the various Spanish-American countries; class text material chosen from the writings of the main literary figures from colonial times to the present; extensive background readings in literature and on literary figures. Prerequisite: Spanish 104-105-106 or the equivalent. Lecture three hours and some laboratory work.

HEALTH AND PHYSICAL EDUCATION

MARSHALL L. WALTERS, *Chairman,* E. T. CHANDLER, E. B. DEGROAT, J. DUNCAN, C. H. HODGES, F. L. HOOVER, M. LAWSON, B. LIGHT, C. G. MEEKS, R. E. THOMAS, R. TOMLINSON, M. WALKUP, R. W. WATKINS.

The objectives of this department are within the framework of the objectives of higher education and of the College.

1. To prepare teachers in health education, physical education, and recreation for the public schools.
2. To prepare athletic coaches for the schools.
3. To provide health instruction which will lead to healthful living.
4. To provide experience in physical education activities which will lead to acquisition of skill and fitness, with leisure-time or recreational value.

5. Through group and individual guidance to strive for optimum development of personality.
6. To uphold and promote high ethical standards in the profession.

A major in Health and Physical Education consists of 62 quarter hours, including Health Education 101, 102, 103, 401; Physical Education 210, 211, 212, 213, 214, 215, 307, 312, 401, 409, 412. In addition, men must complete 301, 302, 303, 403, 405, 406, 408; and three courses from 216, 309, 310, 404, 410, 411; and women must complete 216, 304, 305, 306, 309, 311, 402, 403, 404, 408.

It is recommended that a major in Physical Education use elective hours to qualify for a teaching certificate in a second field.

ACTIVITY COURSES

Majors are required to take nine quarter hours of activity classes, and non-majors six. Majors should distribute these over the first three years, non-majors over the first two. A physical education activity course may be taken in any term offered. Sections are limited in capacity to the space available. Students are urged to take some activity course to maintain health and fitness throughout their college careers.

No rigid system of taking activity courses in number sequence holds. Students may take courses in any order, provided they take the minimum required.

Transfer students may on application receive credit for activity courses, provided they take and pass a proficiency examination in the activity. Failure to pass the examination means the student will take the course at Appalachian.

In activity courses for majors, fundamentals, skills, conditioning, rules, strategy, and teaching techniques are emphasized.

Course numbers followed by "M" are for men only. Course numbers followed by "W" are for women only. Course numbers without any letter identification are for both men and women.

Gym suits are furnished for on-campus activity classes. Students furnish their own white athletic socks and rubber-soled shoes. Suits are furnished for women's swimming classes. Students furnish their own caps. Towel service is provided.

HEALTH EDUCATION

101 [110]. PERSONAL HEALTH (3). F.

Personal health and hygiene, total fitness: physical, mental, emotional.

102 [115]. FAMILY HEALTH (3). W;S.

Health of the infant, child, adolescent, young, and mature adult: home and community health and hygiene.

103 [123]. FIRST AID (3). S.

Standard and Advanced First Aid certificates to those satisfactorily meeting the requirements. Taught by certified American Red Cross instructors.

201 [207]. FUNDAMENTALS FOR TEACHING HEALTH IN THE SCHOOL (3). F;W;S.

The application of personal health to improve living standards and to acquire a background in personal and community hygiene necessary to teach health in the schools. Elementary and secondary teachers will be given assignments to fit their levels. Not open to Physical Education majors.

401 [413]. METHODS AND MATERIALS IN HEALTH EDUCATION (3). F;W;S.

Health services, healthful school living, and health instruction in the school. Resource aids, especially in relation to community health programs. Elementary and secondary teachers will be given assignments to fit their levels.

402 [472b]. DRIVER EDUCATION (3) . S.
Driver education methods and materials leading to certification for driver education.

Senior-Graduate Courses

452 [472a]. SAFETY EDUCATION (3) . W;SS.
Safety procedures for home, school, and community.

PHYSICAL EDUCATION ACTIVITY FOR NON-MAJORS

101. SWIMMING (1) . F;W;S.

102M, 102W. BASKETBALL AND TUMBLING (1) . W.

103M, 103W. SOFTBALL, SPEEDBALL, AND INDOOR TEAM GAMES (1) . S.

104M [107M]. TOUCH FOOTBALL AND WRESTLING (1) . F.

105 [108]. MODERN DANCE (1) . W.

106M, 106W [109M, 109W]. ARCHERY AND ADVANCED VOLLEYBALL (1) . S.

107 [111]. ADVANCED SWIMMING (1) . W.

201 [204]. TENNIS, BADMINTON, AND FUNDAMENTAL GYMNASTICS (1) . F.

202 [205]. FOLK AND SOCIAL DANCE (1) . W.

203M [206M]. VOLLEYBALL AND SOCCER (1) . S.

203W [206W]. VOLLEYBALL AND FIELD HOCKEY (1) . S.

PHYSICAL EDUCATION ACTIVITY FOR MAJORS

110 [151]. SWIMMING (1) . F;W;S.

111M, 111W [152M, 152W]. BASKETBALL AND TUMBLING (1) . W.

112M, 112W [153M, 153W]. SOFTBALL AND VOLLEYBALL (1) . S.

113 [160]. ADVANCED SWIMMING (1) . W.

114M, 114W [161M, 161W]. ADVANCED VOLLEYBALL (1) . S.

204 [254, 373, 376]. TENNIS AND BADMINTON (1) . F.

205 [255, 261, 262, 264, 265]. BEGINNING FOLK, SOCIAL, AND MODERN DANCE (1) . W.

206 [256]. ARCHERY AND GYMNASTICS (1) . S.

301M [357M]. SOCCER, SPEEDBALL, AND INDOOR GAMES (1) . F;S.

302M [358M]. WRESTLING (1) . W.

303M [359]. TRACK AND FIELD, INDOOR INDIVIDUAL CONTESTS (1) . S.

304W [367W]. SPEEDBALL, FIELD HOCKEY, AND INDOOR GAMES (1) . F.

305 [368]. ADVANCED SOCIAL DANCE (1) . W.

306 [369]. ADVANCED MODERN DANCE (1) . S.

PHYSICAL EDUCATION

210 [211]. HUMAN ANATOMY (3) . F.
A study of the gross structure of the human body. Prerequisite: Biology 101, 102, 103.

211 [212]. HUMAN PHYSIOLOGY (3) . W.
A study of the basic functions of the human organism. Prerequisite: 210 or equivalent.

212 [220]. PHYSIOLOGY OF MUSCULAR ACTIVITY (3). S.

A study of the application of physiological principles to muscular action of the human organism. Prerequisite: 211 or equivalent.

213 [216, 321]. PRINCIPLES OF HEALTH, PHYSICAL EDUCATION AND RECREATION (3). F;W;S.

A summarization of the historical and present concepts which relate to principles of health, physical education, and recreation.

214 [218]. PHYSICAL EDUCATION FOR THE ELEMENTARY SCHOOL (3). F;W;S.

Organization, planning, and administration of activities for elementary school pupils. Methods of teaching, aids, techniques, and experiences in rhythmics, group games, stunts, and relays. Fundamental body skills to fit each level of maturation.

215 [462]. INTRODUCTION AND HISTORY OF PHYSICAL EDUCATION (3). W;S.

An orientation into the field of physical education through the study of historical backgrounds, systems and organizations, leaders and movements, and programs and sports of the past and present.

216M, 216W [240M, 240W]. STUNTS AND TUMBLING, MATERIALS AND METHODS (2). W;S.

Teaching methods, theory and application of skills. Classroom work and laboratory participation are interrelated.

307 [314]. KINESIOLOGY (3). W.

Mechanical and anatomical fundamentals of human motion. Muscular analysis of body movements utilized in physical education activities will be stressed. Lecture two hours, laboratory two hours. Prerequisite: 210.

308 [324]. RHYTHMIC ACTIVITIES FOR THE ELEMENTARY SCHOOL (2). S.

Fundamental movements, singing games, folk, social, and creative dances. Suitable types of accompaniment and teaching methods.

309 [325]. DANCE MATERIALS AND METHODS (2). F;S.

Theory and practice in the teaching of folk, square, social, and modern dances. Prerequisites: activity courses in dance.

310M [329M]. TRACK AND FIELD, METHODS AND MATERIALS (2). F;S.

Fundamental skills, applied techniques, and the theory of teaching track and field athletics. Prerequisite: activity course in track and field.

311W [330W]. FIELD SPORTS FOR WOMEN, METHODS AND MATERIALS (2). F;S.

For women preparing to teach and coach speedball, softball, field hockey, tennis, and archery. Skills, techniques, rules, and officiating are included. Prerequisites: activity courses in field sports.

312 [353]. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (3). W;S.

Problems in organization, administration, and supervision of the physical education program and methods of solving these problems.

401 [408]. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION (3). F;W;S.

A theory and methods course in the application of measurement to health and physical education programs.

402W [422W]. INDOOR SPORTS FOR WOMEN, METHODS AND MATERIALS (2). W;S.

The theory and practice of teaching and coaching women's basketball, volleyball, and team games. Prerequisites: activity courses in basketball, volleyball, indoor games.

403 [426]. SWIMMING, METHODS AND MATERIALS (2). F;W;S.
Theory, practice, and methods in teaching swimming and water safety. Prerequisites: activity courses in swimming.

404 [427]. TENNIS AND BADMINTON, METHODS AND MATERIALS (2). F;S.
Fundamentals, strokes, strategy, and rules of tennis and badminton. Prerequisites: activity courses in tennis and badminton.

405M [431M]. FOOTBALL, METHODS AND MATERIALS (2). F;S.
Coaching of fundamentals, team offensive and defensive systems, team organization, training methods, and scouting. Prerequisite: football participation or football activity course.

406M [434M]. BASEBALL AND SOFTBALL, METHODS AND MATERIALS (2). F;S.
Fundamentals of playing all positions with training methods. Team strategy, rules, scoring, and officiating. Prerequisites: activity courses in softball and baseball.

407 [435]. INTRAMURAL SPORTS (3). S.
Organization, administration, and promotion of intramural programs for schools, recreation centers, industry, and community. Experience in conducting and officiating in intramural programs. Offered in 1961 and alternate years.

408M, 408W [437]. BASKETBALL, METHODS AND MATERIALS (2). W;S.
Skills, conditioning, offensive and defensive team play. Rules, scoring, and officiating. Prerequisite: basketball participation or basketball activity course.

409 [443]. ADAPTED PHYSICAL EDUCATION (3). W;S.
A survey of abnormalities, preventive and corrective techniques, with activities designed to aid handicapped persons to participate in activities. Prerequisites: 210, 211, 212, 307, or equivalents.

410M [444]. WRESTLING, METHODS AND MATERIALS (2). W.
Fundamentals, theory, coaching, rules, and officiating. Prerequisite: wrestling participation or wrestling activity course.

411M [445M]. SOCCER, METHODS AND MATERIALS (2). F;S.
Theory and practice in teaching soccer skills and the coaching of a soccer team. Prerequisite: soccer activity course.

412 [488]. PREVENTION AND CARE OF ATHLETIC INJURIES (3). F;W;S.
Prevention and care of injuries; use of supports, massage, therapeutic techniques, and conditioning exercises. Prerequisites: Health Education 103, Physical Education 210, 211, 212, 307, or the equivalent. Lecture two hours, laboratory two hours.

Senior-Graduate Courses

451 [456]. PLANNING THE RECREATION PROGRAM (3). S;SS.
Lecture and discussions on basic philosophy, principles and practices, current trends, financing the program, methods and procedure, leadership training, organization and administration, facilities, and equipment.

453 [483]. ADVANCED FOOTBALL COACHING (3). SS.
Open to experienced coaches. Study and diagnosis of football coaching problems and methods.

454 [484]. ADVANCED BASKETBALL COACHING (3). SS.
Open to experienced coaches. Study and diagnosis of basketball coaching problems and methods.

455. CONTEMPORARY AND COMPARATIVE HEALTH (3). W;SS.
An extensive and intensive study of the health, physical education, recreation, and sports program in various countries of the world. A study of present programs and trends. (Desirable background: courses in the history of physical education.)

456 [514]. PRINCIPLES AND PROGRAMS OF PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL (3). S;SS.
Exploration of the principles, organization, administration, and programs applicable to the elementary school.

Graduate Courses

500. PROBLEMS AND STUDIES RELATED TO HEALTH AND PHYSICAL EDUCATION (3). F;W;S;SS.
Analysis of methods of problem solving and the application to concrete problems.

501 [502]. SCIENTIFIC BASES OF PHYSICAL EDUCATION (3). F;SS.
Past and present findings and theories in the various specialties and disciplines, and how they apply to physical education.

502 [503]. CURRICULUM CONSTRUCTION IN PHYSICAL EDUCATION (3). W;SS.
Study and evaluation of systems of program planning and curriculum construction, by use of statistical data, survey methods, and constituency analysis.

503 [504]. ANALYSIS OF PSYCHO-MOTOR ACTIVITY (3). S;SS.
Elementary principles of physics, anatomy, and physiology as they apply to mechanical analysis of skills in movement.

504 [505]. PHILOSOPHY OF HEALTH, PHYSICAL EDUCATION AND RECREATION (3). S;SS.
A summary of the philosophies of outstanding leaders in health, physical education, and recreation, past and present.

505 [507a]. STATISTICS AND MEASUREMENTS IN HEALTH AND PHYSICAL EDUCATION (3). F;W;S;SS.
Statistical procedures involved in the analysis and interpretation of data, records, and scores derived from testing programs in health and physical education. Prerequisite: 401.

506 [507b]. TESTS AND ANALYSIS IN HEALTH AND PHYSICAL EDUCATION (3). W;S;SS.
Study and analysis of past and present testing programs and the application and administration of the programs. Factors which influence accuracy, validity, reliability, and other related factors are dealt with along with the evaluations and use of tests.

507 [515]. ORGANIZATION AND SUPERVISION OF HEALTH AND PHYSICAL EDUCATION (3). W;SS.
Recent trends in the theory and practice of supervision; training and qualifications of the supervisor on each level of school organization.

508 [516]. ADMINISTRATION OF ATHLETICS (3). S;SS.
Study and discussion of the organization, administration, and operation of the athletic program: schedules, contracts, equipment, insurance, travel, medical factors, officiating, and evaluation.

509 [581]. SEMINAR IN HEALTH AND PHYSICAL EDUCATION (3). F;S;SS.
Lecture, discussion, research, review, and summary of the fields of health and physical education and application of findings to specific areas of teaching experience. A course for teachers with experience capable of intensive graduate study.

550. MASTER OF ARTS THESIS (6). F;W;S;SS.
See Education 550.

HOME ECONOMICS

MADGE RHYNE, *Chairman,* V. LAGRONE, M. RAMER, V. WELBORN.

A major in Home Economics consists of a minimum of 45 quarter hours in Home Economics, including 101, 102, 103, 104, 105, 106, 204, 207, 300, 301 or 304, 302, 303, 307, 402, 405 or 406 and 27 quarter hours in the following related courses: Art 204, Biology 208, Chemistry 101, 102, 103, Economics 200, Physics 304, Sociology 401.

The Nursery School is conducted in the fall quarter as a laboratory for Home Economics 300 and other courses that need its services.

It is recommended that majors in Home Economics qualify for the standard First Aid Certificate given by the American Red Cross.

Courses that do not require prerequisites are open to all students.

101-102-103 [201, 202, 203]. TEXTILES AND CLOTHING (3-3-3). F-W-S.
The application of fundamental art principles, fashion, and knowledge of fabric to clothing selection and construction. Lecture one hour, laboratory four hours.

104-105 [102, 103]. MEAL PLANNING, PREPARATION, AND SERVICE (3-3). F-W.
A study of menu-planning, marketing, preparation, storage and service of family meals. Lecture one hour, laboratory four hours.

106 [208, 205]. ELEMENTARY NUTRITION (3). S.
A study of food and its relation to body use and needs.

204 [206]. ADVANCED FOODS (3). F.
A study of food conservation and meal preparation for everyday and special occasions. Prerequisites: 104-105-106. Lecture one hour, laboratory four hours.

206 [212]. CLOTHING FOR THE FAMILY (3). F.
Planning, selection, care, and construction of clothing for members of the family. Prerequisites: 101-102-103. Lecture one hour, laboratory four hours.

207. ART IN THE HOME (3). S.
A study and application of beauty in line, form, color, texture in furnishings. Lecture two hours, laboratory two hours.

300 [151, 101]. CHILD DEVELOPMENT (3). F.
Study of the preschool child and his relationships to others. Prerequisite: Psychology 201. Lecture two hours, observation in Nursery School two hours.

301 [300]. TAILORING (3). W.
Detailed study and application of construction techniques in tailored garments. Prerequisites: 101-102-103. Lecture one hour, laboratory four hours.

302 [311]. CONSUMER PROBLEMS (3). W.
A study of resources to obtain personal and family satisfactions.

303 [313]. HOME PLANNING AND FURNISHING (3). S.
A study of aesthetic, economic, and practical problems in planning and furnishing a home. Prerequisite: 207. Lecture one hour, laboratory four hours.

304 [318]. ADVANCED CLOTHING CONSTRUCTION (3). S.
Clothing selection, design, and construction in a variety of fabrics with emphasis on individual needs. Prerequisites: 101-102-103 and Art 204. Lecture one hour, laboratory four hours.

306 [320]. TEXTILES (3). F.
A study of the manufacture, identification, selection, analysis, and care of fabrics.

307 [340]. HOUSEHOLD EQUIPMENT (3). W.
Selection, operation, care and arrangement of equipment.

308 [343]. QUANTITY COOKERY (4). F.
A study and practice in planning and preparing foods in College Cafeteria. Prerequisites: 104, 105, 106, 204 and Chemistry 101, 102, 103, 201, 202, 203. Lecture one hour, laboratory six hours.

309 [344]. ORGANIZATION AND ADMINISTRATION (3). W.
Problems in personnel management.

310 [345]. FOOD PRODUCTION AND DISTRIBUTION (3). S.
Grading, storage, and purchasing of foods in large quantities.

311 [346]. COUNTER SUPERVISION (2). F;W;S.
Supervised institutional experiences in College Cafeteria. Laboratory four hours.

400. HOUSE PLANNING AND DESIGN (3). W.
Same as Industrial Arts 400. Offered 1961-62.

402 [441, 442]. HOME MANAGEMENT HOUSE RESIDENCE (4). F;W;S.
Experience in applying principles of homemaking to the family unit. Fee $120.

405 [450]. ADVANCED NUTRITION (3). S.
Planned dietaries for special conditions and diseases; food budgets for different income levels. Prerequisite: 106. Lecture two hours, laboratory two hours.

406 [482]. HOME NURSING AND FAMILY HEALTH (3). W.
Home care of the sick, injured, and aged.

413 [Education 427]. TEACHING HOME ECONOMICS (3). F;S.
Same as Education 413. Prerequisites: Education 301-302, and Psychology 301-302.

INDUSTRIAL ARTS

H. S. DECKER, *Chairman*

A major in Industrial Arts consists of 73 quarter hours, including 101, 102, 103, 201, 202, 203, 204, 205, 206, 208, 209, 301, 302, 303, 304, 305, 306, 307, 317, 318, 401 or 402, 403 and Physics 201.

101-102-103. ENGINEERING DRAWING (3-3-3). F-W-S.
Lettering, geometric constructions, freehand sketching, normal, inclined, oblique surfaces; cylindrical surfaces, plotted curves, sectioning, auxiliary views, threads; dimensioning, first angle projection, ink tracing, working drawings. Lecture one hour, laboratory five hours.

201-202-203. WOODS (3-3-3). F-W-S.
The cutting, shaping, veneering and finishing of wood products and related wood technology. Lecture one hour, laboratory five hours.

204. GENERAL SHOP (3). F.
A survey of basic shop practice.

205. ORIENTATION (1). W.
An orientation into the field of Industrial Arts Education.

206. INDUSTRIAL DESIGN (3). S.
Design as applied to the industrial product. Lecture one hour, laboratory five hours.

207. GENERAL CRAFTS (3). On demand.
Leatherwork, plastics, art metal, jewelry. Lecture one hour, laboratory five hours.

208. MATERIALS (3). F.
Structure and characteristics of the common industrial materials.

209. MACHINE DRAWING (3). F.
Detail, assembly, and production drawing. Lecture one hour, laboratory five hours.

301-302-303. METALS (3-3-3). F-W-S.
The cutting, shaping and casting of the ferrous and non-ferrous metals and the related metal technology. Lecture one hour, laboratory five hours.

304. INTERNAL COMBUSTION ENGINES (3). W.
The theory and practice of compact internal combustion power sources. Lecture two hours, laboratory three hours.

305. ELECTRICITY (3). F.
A.C., D.C. fundamentals. Lecture two hours, laboratory three hours.

306-307. ELECTRONICS (3-3). W-S.
A.C., D.C., Motors; vacuum tubes, transistors and related electronic components, with applications. Lecture two hours, laboratory three hours.

308. PRODUCTION TECHNIQUES, WOOD (3). On demand.
Jigs, fixtures, and related production techniques. Lecture one hour, laboratory five hours.

309. FINISHING (3). On demand.
Hand and machine finishing techniques and related coating technology.

310. SHEETMETAL (3). On demand.
Layout and fabrication of sheetmetals. Lecture one hour, laboratory five hours.

311. PRODUCTION TECHNIQUES, METALS (3). On demand.
Jigs, fixtures, and related production techniques.

312. ELECTRONICS, ADVANCED (3). On demand.
Electronic control and regulation, including the thyratron. Lecture two hours, laboratory three hours.

313-314. ARCHITECTURAL DRAWING (3-3). F-W.
Details through complete set of plans for residential structure.

315. SPECIALIZED DRAFTING (3). On demand.
Independent study in one of the following: graphic analysis, piping, topographical, structural, electrical or patent drafting. Laboratory six hours.

316. INDUSTRIAL ARTS FOR THE ELEMENTARY SCHOOL TEACHER (3). On demand.
Lecture one hour, laboratory five hours.

317, 318. GRAPHIC ARTS (3,3). F,W.
Photography, silk screen, etching; typograph and hand-automatic presswork. Lecture one hour, laboratory five hours.

400. HOUSE PLANNING AND DESIGN (3). W.
Architectural styles, planning, building materials as related to residential structures. Lecture two hours, laboratory two hours.

401. EQUIPMENT AND MAINTENANCE, WOOD (3). W.
Operation and maintenance of woodworking machines. Lecture one hour, laboratory five hours.

402. EQUIPMENT AND MAINTENANCE, METALS (3). S.
Operation and maintenance of metalworking machines. Lecture one hour, laboratory five hours.

403. TEACHER PROBLEMS (3). F.
Analysis of problems unique to teaching in a laboratory situation.

404. WELDING (3). On demand.
Arc and Oxy-acetylene Welding.

407. COMMUNICATIONS (3). On demand.
TV, Radio, telemetry; theory and practice. Lecture two hours, laboratory three hours.

LIBRARY SCIENCE

ILA TAYLOR JUSTICE, *Chairman,* E. QUERY.

A major in Library Science consists of a minimum of 45 quarter hours, including Library Science 201, 202, 203, 301, 302, 303, 305, 306, 307, 401, 402, 403, 404, 450, 451, 452, 453, and English 302, 303, 304, 307. A student must show proficiency in typing.

A student may qualify for a Library Science Certificate in North Carolina by electing twenty-seven quarter hours in Library Science in addition to a major in a subject field. This is recommended for those preparing for library work in the elementary school or for a teacher-librarian position in the high school.

201, 202, 203 [200 a,b,c]. INTRODUCTION TO LIBRARY SCIENCE (1,1,1). F,W,S.
Supervised experiences in the campus school libraries.

301. FUNCTIONS AND USE OF THE LIBRARY (3). F.

302, 303 [312]. REFERENCE (3,3). W,S.

304 [311]. CHILDREN'S LITERATURE (3). F;W;S.

305 [315]. BOOKS AND MATERIALS FOR SCHOOL LIBRARIES (3). F;W;S.

306 [316]. BOOKS AND MATERIALS FOR HIGH SCHOOL LIBRARIES (3). S.

307 [317]. Books and Materials for Elementary School Libraries (3) . W.

401, 402 [407, 408]. Organization and Administration of the School Library (3,3) . F,W.

403, 404 [409, 410]. Cataloging and Classification (3,3) . F,W.

Senior-Graduate Courses

450 [413]. Materials and Equipment (3) . W.
Acquisition, preparation, housing, and circulation of non-book library materials.

451 [414a]. Advanced Book Selection (3) . F.
Books for adults in areas of fiction, drama, poetry, essays, literary classics, and literary criticism.

452 [414b]. Advanced Book Selection (3) . W.
Reading and evaluation of books for adults in the area of biography, travel, history, the social sciences, science, religion, philosophy, and the fine arts.

453 [415a]. Literature for Children (3) . F.
Background in literature for children; development and current trends; illustrators; enlargement on study of literature of various types.

454 [415b]. Literature for Young People (3) . S.

455 [416]. Devices for Interpreting Books for Readers (3) . S.
Story-telling, annotations, book reviewing, the book talk, radio, story recordings.

456 [476]. Workshop in the Use of the Library (3 or 6) . Ex.

457 [480]. School Library Workshop (3) . SS.

Graduate Courses

500 [500]. Use of Materials with Pupils and Teachers (3) . SS.

501 [502]. School Library Problems (3) . SS.

502 [503]. Administration and Supervision of School Library System (3) . SS.

503 [504]. Reading Interests and Guidance (3) . SS.

504 [505]. Advanced Reference (3) . SS.

505 [506]. Problems in Cataloging and Classification (3) . SS.

506 [507]. Reading for Adults (3) . SS.

507 [508]. History of Books and Libraries (3) . SS.

508 [509]. The Library and the Community (3) . SS.

509 [517]. Teaching the Use of Books and Libraries (3) . SS.

550. Master of Arts Thesis (6) . F,W,S.
Same as Education 550.

MATHEMATICS AND PHYSICS

J. T. C. WRIGHT, *Chairman,* G. T. BUCKLAND, W. A. HAWKINSON, V. KIMLER, A. G. MONTGOMERY, F. NORTHUP, S. N. STACY, F. L. TARLETON, S. B. TRAVIS.

A major in Mathematics consists of 46 quarter hours in Mathematics above course level 103. A major may be taken in either of the following ways:

1. 104, 105, 106, 201, 202, 203, 206, 301, 302, 303, 450, 451, 452, 453, plus 3 hours of mathematics electives, and Physics 201, 202, 203.

2. 107, 108, 109, 206, 301, 302, 303, 450, 451, 452, 453, plus 6 hours of mathematics electives, and Physics 201, 202, 203.

A major in Mathematics is required to take the Optional Examination of the National Teacher Examination.

A minor in Mathematics consists of 34 quarter hours in Mathematics above course level 103. A minor may be taken in either of the following ways:

1. 104, 105, 106, 201, 202, 203, 206, 301, 302, 303, plus 3 hours of mathematics electives.

2. 107, 108, 109, 206, 301, 302, 303, plus 6 hours of mathematics electives.

101, 102, 103. BASIC MATHEMATICS (3,3,3). F,W,S.

Separate courses in the fundamentals of arithmetic, algebra, and plane geometry, taught from the college point of view and designed as a terminal course.

104-105. COLLEGE ALGEBRA (3-3). F-W.

A review of high school algebra; radicals, quadratics, functions and their graphs, ratio, proportion, variation, progressions, systems of equations, induction, complex numbers, theory of equations, determinants, permutations, combinations, probability, partial fractions, sequences, and series.

106. PLANE TRIGONOMETRY (3). S.

Trigonometric functions of an acute angle, solution of right triangles, trigonometric functions of any angle, identities, variations of the functions, line values, graphs, reduction formulas, logarithms, solution of oblique triangles, addition theorems and related formulas.

107. COLLEGE ALGEBRA (5). F.

This course covers the same material as outlined in 104 and 105.

108. TRIGONOMETRY (5). W.

This course covers the same material as outlined in 106 and 201.

109. ANALYTIC GEOMETRY (5). S.

This course covers the same material as outlined in 202 and 203. Prerequisites: 107, 108.

201 [209]. ADVANCED TRIGONOMETRY (3). F.

Inverse trigonometric functions, trigonometric equations, complex numbers, and a study of spherical trigonometry. Prerequisite: 106.

202-203 [207, 208]. ANALYTIC GEOMETRY (3-3). W-S.

Coordinate systems, straight line, circle, conic sections, transformations, rotations, transcendentals, loci, empirical equations, and an introduction to solid analytic geometry. Prerequisites: 107 and 108, or 105 and 201.

204 [220]. DESCRIPTIVE GEOMETRY (3). S.

A development of the ability of the student to visualize in problems involving points, lines, curved and warped surfaces, tangent lines, planes and intersections, shades and shadows, and perspective.

205 [221]. SURVEYING (3). F;S.

A first course in plane surveying. Prerequisite: 106 or 108.

206 [225]. SLIDE RULE (1). W;S.

The practical use of the polyphase slide rule. Prerequisite: 106 or 108.

301-302-303 [310-311-312]. CALCULUS (4-4-4). F-W-S.

Fundamental concepts, differentiation and integration of algebraic and transcendental functions, parametric and polar equations, applications, infinite series, expansions, partial differentiation, and multiple integrals. Prerequisite: 109 or 203.

450 [414]. THEORY OF EQUATIONS (3). W.

Complex numbers, solutions of cubic and quartic equations, exact and approximate solutions of higher degree equations, determinants, and matrices. Prerequisite: 303.

451 [415]. COLLEGE GEOMETRY (3). W.

Advanced geometric constructions, loci, similar and homothetic figures, medians, altitudes, bisectors, nine-point circle, and other topics. Prerequisites: 109 or 203.

452 [417]. DIFFERENTIAL EQUATIONS (3). F.

Equations of first order and first degree, equations of first order and higher degree, singular solutions, linear equations with constant coefficients, and linear equations of second order. Prerequisite: 303.

453 [423]. HISTORY OF MATHEMATICS (3). F.

A study of the men who made mathematics, the historical development of the various branches, calculating devices, weights and measures, and the solution of typical problems.

454 [424]. MATHEMATICS OF FINANCE (3). W.

Simple and compound interest, annuities, amortization, sinking funds, depreciation, bonds, stocks, and life insurance.

455 [425]. MATHEMATICAL STATISTICS (3). S.

Graphs, moments, cumulative frequency, normal curve, trend and ratio charts, correlations, regressions, frequency curves, and sampling. Prerequisite: 303.

Senior-Graduate Courses

456 [427]. ASTRONOMY (3). F;S.

A descriptive course in astronomy, the moon, sun, planets, stars, nebulae, and constellations.

457 [472a]. WORKSHOP IN ELEMENTARY ARITHMETIC (3). SS; Ex.

A course designed especially for the in-service elementary teacher. Same as Education 457.

458 [472b]. WORKSHOP IN SECONDARY MATHEMATICS (3). SS; Ex.

A course designed especially for the in-service secondary school teacher. Same as Education 458.

459. VECTOR ANALYSIS (3) . W.
Elementary operations, vector and scalar products, differentiation, differential operators and applications. Prerequisite: 303.

460 [503, 502]. FOUNDATIONS OF ARITHMETIC (3) . W.
Laws of arithmetic, numerical formulas, concept of number, Peano's postulates, logical reasoning. For Elementary Education majors and teachers only.

461 [509, 511]. FOUNDATIONS OF ALGEBRA (3) . F.
Development of number systems, sets, groups, fields, divisibility, theory of polynomials, linear dependence, and matrix theory. Prerequisite: 303.

462 [510, 512]. FOUNDATIONS OF GEOMETRY (3) . S.
Axioms and postulates of geometries, quadrangular sets, nets, special theorems, groups, and Affine geometry. Prerequisite: 303.

Graduate Courses

500-501 [501-502]. MODERN ALGEBRA (3-3) . F-W.
Integral domains, congruences, isomorphisms, fields, fundamental theorem of algebra, group theory, transformations, ideals, transfinite arithmetic, and Galois theory. Prerequisite: 303.

503-504 [504-505]. ADVANCED CALCULUS (3-3) . W-S.
Indeterminate forms, power series, partial differentiation, implicit functions, applications, line integrals, space integrals, surface integrals, gamma and beta functions, vector notation, differential equations of first and higher orders, Bessel functions, partial differential equations, calculus of variations, and functions of a complex variable. Prerequisite: 303.

505 [507]. ADVANCED DIFFERENTIAL EQUATIONS (3) . S.
A study of advanced topics in differential equations. Prerequisite: 452.

506 [508]. SOLID ANALYTIC GEOMETRY (3) . F.
An advanced course in solid analytic geometry. Prerequisite: 303.

507 [509]. THEORY OF NUMBERS (3) . W.
Properties of integers, Euclid's algorithm, Diophantine equations, prime numbers, congruences, residues of powers, and quadratic residues. Prerequisite: 303.

508 [510]. SEMINAR (3) . S.
An analytical study of mathematical topics and problems.

509. INDEPENDENT STUDY OF MATHEMATICS (3) . F;W;S.
Independent reading, research, or projects of an advanced nature done under the supervision of a designated member of the staff. Prerequisite: 18 hours of graduate mathematics.

550. MASTER OF ARTS THESIS (6) . F;W;S.

PHYSICS

201-202-202 [301-302-303]. GENERAL PHYSICS (4-4-4). F-W-S.

A first course in physics dealing with the elements of physics, heat, sound, electricity, magnetism, and light. Prerequisite: Mathematics 105 and 106 or 107 and 108. Lecture three hours, laboratory two hours.

300. ELEMENTARY PHOTOGRAPHY (3). F.

A first course in the fundamentals of photography.

304 [312]. HOUSEHOLD PHYSICS (3). W.

The use and application of the principles of physics as they occur in modern household equipment. Prerequisite: 9 hours of mathematics. Lecture two hours, laboratory two hours.

401 [404]. OPTICS (3). F.

An introduction to advanced physical and geometrical optics. Prerequisite: Physics 203. Lecture two hours, laboratory two hours.

402 [405]. MODERN PHYSICS (3). W.

Atomic structure, origin of spectra, X-rays, and electronics. Prerequisite: Physics 203.

403 [406]. MECHANICS (3). S.

A first course in the principles of mechanics. Prerequisite: Physics 203.

404 [407]. HEAT AND THERMODYNAMICS (3). W.

A first course in the principles of heat and thermodynamics. Prerequisite: Physics 203.

405 [408]. ELECTRICITY AND MAGNETISM (3). S.

A study of the fundamental problems of electric currents. Prerequisite: Physics 203.

406 [409]. ADVANCED PHOTOGRAPHY AND COLORIMETRY (3). W.

A study of the principles of densitometry and colorimetry. Prerequisite: Physics 203 and 300.

MUSIC

W. G. SPENCER, *Chairman,* W. S. COLE, N. ERNESTON, E. FOX, E. P. HOTARD, C. L. ISLEY, JR., W. J. JONES, V. LINNEY, W. H. SAFRIT.

The department of Music is a member of the National Association of Schools of Music. The requirements set forth in this catalogue are in accordance with the published regulations of the National Association of Schools of Music.

OBJECTIVES

The department of Music attempts to provide the most efficient preparation of teachers of music for the public schools. It seeks to promote interest in better musical performances, instrumental or vocal, and to develop the maximum musical potentialities of the individual student.

ENTRANCE REQUIREMENTS

The entrance requirements in the major performance medium are as follows:

Voice: An acceptable voice and the ability to sing with accurate pitch and rhythm.

Piano: The ability to perform: Major and minor scales and arpeggios; compositions of the difficulty of Bach, *Two-Part Inventions;* Beethoven, *Sonata, Op. 49;* Chopin, *Mazurka, Op. 33, No. 3.*

Instruments: A fundamental knowledge of the instruments including an acceptable method of producing tone; awareness of intonation problems; accurate rhythmic feeling; some contact with solo literature available for the instrument; the ability to play major, minor, and chromatic scales with the proper fingering.

PLACEMENT EXAMINATIONS

Students who plan to major in music must pass a placement examination in their major performing medium to establish freshman or advanced standing. Those who do not meet freshman standing must enroll in 010-011-012 or 013-014-015 until entrance requirements can be met.

MAJOR REQUIREMENTS

A major in Music: General consists of a minimum of 88 quarter hours of 100 course level and above, including an applied major in piano or voice 22 hours, applied minor 11 hours; 101-102-103; 121-122-123, 125-126-127, 130, 131-132-133; 201-202-203; 304-305-306, 316, 317, 318, 402, 405. Professional Education courses in music methods include 307, 308, 420.

A major in Music-Instrumental consists of a minimum of 94 quarter hours of 100 course level and above, including an applied major 22 hours, applied piano 6 hours and applied minor 5 hours; 101-102-103; 121-122-123, 125-126-127, 128-129-130, 131-132-133; 201-202-203; 304-305-306, 316, 317, 318, 402, 403, 404, 405. Professional Education courses in music methods include Education 307, 308, 419.

A major in Piano consists of a minimum of 94 quarter hours of 100 course level and above, including piano 36 hours, applied minor 6 hours, piano ensemble 8 hours; 101-102-103, 201-202-203, 304-305-306, 316, 402, 405, 452. Professional Education courses in music methods include Education 309.

PIANO PROFICIENCY FOR ALL MAJORS

By examination a music major shall demonstrate satisfactory proficiency in piano at the end of the second year. Failure to acquire this proficiency will necessitate repeating the examination until proficiency is demonstrated.

The student must demonstrate ability to play the most widely used songs in community song books, to play pieces and accompaniments from the teachers manual of the graded series for the elementary school, to improvise choral accompaniments, to read at least 3 or 4 line scores of instrumental or vocal parts simultaneously at the keyboard.

RECITALS AND CONCERTS

Student recitals are held each quarter in which students gain experience and poise in public performance. Seniors and other advanced students present individual or joint recitals as partial requirements for graduation. Frequent concerts are given by faculty members, various musical organizations, and visiting artists.

During the senior year a music major will demonstrate satisfactory proficiency in his major performing medium: piano, voice, violin, clarinet, or other band or

orchestral instruments. This may be done in one of three ways: 1. An individual recital; 2. A group recital with not more than three participants; 3. A comprehensive examination which includes the major instrument, theory, and other class work in music which the student has covered during the four years.

A music major will appear in at least two recitals each year. Appearance as a soloist in church, before the Music Education Club, in a studio recital, or a public performance, will satisfy this requirement.

Music majors are required to attend all concerts and recitals sponsored by the Music department.

APPLIED MUSIC

Individual music instruction is offered in piano, organ, voice, and all orchestral and band instruments. Courses in applied music are required of all music majors and may be elected for general college credit by students not majoring in music.

Piano. Piano is basic for all students majoring in music. The study of piano should develop the ability to sight read, play accompaniments in a musicianly manner, understand representative works from all schools of music, from the pre-Bach era to the present day.

Voice. The voice major should be able to sing on pitch and show musical aptitude. Study will include good posture, relaxation, diaphragmatic breathing, good diction and vocal exercises, appropriate songs adapted to the student's need and progress.

Organ. Piano facility satisfactory to the instructor is prerequisite for study in organ. The study includes pedal scales, hymn playing, appropriate selections from the works of Bach, Mendelssohn, Franck, and Widor, as well as contemporary European and American compositions.

Brass Instruments. This study emphasizes proper breath control, embouchure and position as well as good tone production and intonation for each instrument. Exercises and pieces suitable to the student's ability and progress are used.

Woodwind Instruments. This study emphasizes proper breath control, good intonation based on an understanding of pitch and pitch modification as well as technical facility with the instrument selected for study. Materials will be chosen on the basis of student's ability and progress.

String Instruments. The purpose of string instruction is to promote in the student the basic techniques of good intonation, clarity, refinement of fingering and bowing styles, and the development of tonal beauty. Emphasis is placed upon the importance of phrasing and interpretation.

Percussion Instruments. The student expecting to major in this course should have a background of the basic rudiments in snare drum and sufficient experience and preparation of the other percussion instruments to play a standard band number. The first year of study will emphasize the snare drum and the twenty-six rudiments along with suitable solo literature. The remainder of the four years will be on the tympani, other traps and equipment with the main emphasis placed on the marimba.

010-011-012. APPLIED MUSIC (1-1-1). F-W-S.

This course of one 30 minute individual lesson and six practice hours a week is designed for students below the freshman level in accomplishment and carries general college credit but no credit on a music major.

013-014-015. APPLIED MUSIC (2-2-2). F-W-S.

This course of two 30 minute individual lessons and twelve practice hours a week is designed for a student below the freshman level in accomplishment and carries general college credit but no credit on a music major.

101-102-103 [104, 105, 106]. BASIC THEORY (4-4-4). F-W-S.

A course in the fundamentals of music, triads, seventh chords, and non-harmonic tones approached through the integrated avenues of analyzing, creating, reading, listening, writing, and performing. The more abstract relationships of melody, rhythm, and form in several textures are included. Lecture and demonstration six hours.

110-111-112. APPLIED MUSIC (1-1-1). F-W-S.

One 30 minute individual lesson and six practice hours a week.

113-114-115. APPLIED MUSIC (2-2-2). F-W-S.

Two 30 minute individual lessons and twelve practice hours a week.

121-122-123 [104, 105, 106]. STRING CLASS (1-1-1). F-W-S.

A presentation of the fundamental principles involved in playing and teaching stringed orchestral instruments. Lecture and demonstration two hours.

125-126-127 [204, 205, 206]. WOODWIND CLASS (1-1-1). F-W-S.

A presentation of the fundamental principles involved in playing and teaching each woodwind instrument. Lecture and demonstration two hours.

128-129-130 [310, 311, 312]. VOICE CLASS (1-1-1). F-W-S.

A presentation of the fundamentals of singing from the teaching and performance standpoint. Lecture and demonstration two hours.

131-132-133 [307, 308, 309]. BRASS AND PERCUSSION CLASS (1-1-1). F-W-S.

A presentation of the fundamental principles involved in playing each brass and percussion instrument. Lecture and demonstration two hours.

134-135-136. PIANO CLASS (1-1-1). F-W-S.

Group instruction in the fundamental principles of piano technique.

201-202-203 [207, 208, 209]. INTERMEDIATE THEORY (4-4-4). F-W-S.

A continuation of basic theory utilizing the same six integrated avenues of approach; a study of modulation and altered chords; survey of the harmophonic style from 1700 through 1900; the study of these elements of music in relation to actual vocal, piano, and ensemble texture. Lecture and demonstration six hours.

210-211-212. APPLIED MUSIC (1-1-1). F-W-S.

One 30 minute individual lesson and six practice hours a week.

213-214-215. APPLIED MUSIC (2-2-2). F-W-S.

Two 30 minute individual lessons and twelve practice hours a week. Additional credit with the approval of the chairman of the department.

217 [408, 401]. MUSIC APPRECIATION (3). F;W;S.

A non-technical course designed for students with little or no musical background. Emphasis is placed upon listening to music and finding pleasure in it. Materials satisfactory for use in the public school and presentation techniques are demonstrated.

301-302-303. MUSIC FOR CLASSROOM TEACHERS (2-2-2). F-W-S.

The course is designed to increase the musicianship of the prospective elementary teacher and to develop an adequacy in music teaching methods. Performance examinations will be given on the phases of work where required. Lecture and demonstration three hours.

304-305-306 [319, 320, 321]. MUSIC HISTORY AND APPRECIATION (3-3-3). F-W-S.
A comprehensive study tracing the evolution of music as an art. Emphasis is placed upon the parallel development of the various arts in their relation to music against the cultural background of history, with suggestions for social and political understandings.

307 [Education 221, 222; 201, 202]. MUSIC IN THE ELEMENTARY SCHOOL (3). W.
Presentation of a philosophical and psychological aproach to the teaching of music in the elementary school; a discussion of curricular plans and materials from kindergarten through the sixth grade. Same as Education 307.

308 [Education 322, 323; 305, 306]. MUSIC IN THE HIGH SCHOOL (3). S.
Emphasis on the place of music in the education of adolescent students; materials and activities appropriate for the junior and senior high school levels. Same as Education 308.

309 [Education 324, 325, 326; 307, 308, 309]. PIANO PEDAGOGY (3). S.
The teaching of piano with a study of various approaches in private and class methods; problems of setting up and operating a studio. Same as Education 309.

310-311-312. APPLIED MUSIC (1-1-1). F-W-S.
One 30 minute individual lesson and six practice hours a week.

313-314-315. APPLIED MUSIC (2-2-2). F-W-S.
Two 30 minute individual lessons and twelve practice hours a week. Additional credit with the approval of the chairman of the department.

316 [334, 313]. CHORAL CONDUCTING (2). F.
A laboratory course in problems of choral conducting. Supervised conducting experience is provided. Lecture and demonstration three hours.

317 [335, 314]. INSTRUMENTAL CONDUCTING (2). S.
A laboratory course in problems of instrumental conducting; supervised conducting experience provided. Lecture and demonstration three hours.

318 [336, 315]. INTRODUCTION TO INSTRUMENTATION (2). F.
A study of the instruments of the band and orchestra in regard to range, tone quality, and appropriate use in instrumental ensembles, including practice in arranging. Lecture and demonstration three hours.

402 [430]. FORM AND ANALYSIS (3). S.
A study of various forms of composition including song forms, dance forms, rondo, canon and fugue, and sonata form, with critical analysis of composition for voice, chorus, piano, solo instruments, and small ensembles.

403 [432]. INSTRUMENTATION (2). W.
Instruction in arranging for orchestra, utilizing the works of major composers as models. Prerequisite 318. Lecture and demonstration three hours.

404 [434]. BAND ARRANGING (2). S.
Arranging for all instruments of the modern symphonic band in march style, and concert arrangements of choral, piano, and orchestral pieces. Lecture and demonstration three hours.

405 [436]. ADVANCED THEORY: COUNTERPOINT (3). W.

A survey of the basic stylistic traits of the 13th, 16th, 18th, and 20th century styles of countrapuntal music with a detailed study of the more commonly heard 18th century style. The work involves written exercises and compositions in two through six parts, various canons, the countrapuntal forms, analysis, dictation, and sightsinging in two and three parts. Lecture and demonstration four hours.

410-411-412. APPLIED MUSIC (1-1-1). F-W-S.

One 30 minute individual lesson and six practice hours a week.

413-414-415. APPLIED MUSIC (2-2-2). F-W-S.

Two 30 minute individual lessons and twelve practice hours a week. Additional credit with the approval of the chairman of the department.

419 [429, 415]. INSTRUMENTAL METHODS AND MATERIALS (2). W.

A comprehensive survey of the materials and methods employed in instrumental class teaching. Lecture and demonstration three hours. Prerequisites: Education 301, 302, 303 and Psychology 301, 302, 303.

420. CHORAL METHODS AND MATERIALS (2). S.

A comprehensive survey of the materials and methods employed in choral teaching. Prerequisites: Education 301, 302, 303 and Psychology 301, 302, 303.

Senior-Graduate Courses

450 [400]. WORKSHOP IN THE LIVING FOLK ARTS (3). SS.

Same as English 450.

451 [510 and 410]. CHORAL MATERIALS AND LITERATURE (3). W;SS.

A study of choral literature for mixed chorus, girls' glee club, boys' glee club, small ensembles, and church choirs.

452 [438]. PIANO LITERATURE (3). W or S.

The study of the literature for piano from the pre-Bach era to the present day.

453 [450]. INSTRUMENTAL MATERIALS AND LITERATURE (3). W;SS.

An advanced instrumental methods course offering a comprehensive survey of the available instrumental literature, methods, and materials.

454 [451]. PROBLEMS IN ELEMENTARY SCHOOL MUSIC (3). S;SS.

Music teaching in the primary and grammar grades; research and demonstrations of methods of teaching elementary school children.

455 [453]. INSTRUMENT REPAIR AND ADJUSTMENT (3). S;SS.

The repair and care of string, wind, and percussion instruments.

456 [455]. INDEPENDENT WORK IN MUSIC (3). F;W;S.

Research in some phase of music to meet the needs and professional interests of the individual.

457 [456]. STRINGS (3). SS.

Fundamental principles involved in playing and teaching orchestral stringed instruments. Designed for the graduate student who has had little or no training in strings but who wishes to prepare himself for beginning string work.

458 [457]. WOODWINDS (3). SS.
Fundamental principles involved in playing and teaching the woodwind instruments.

460 [500]. BAND PAGEANTRY (3). F;SS.
A study of the fundamentals of marching, precision drilling, formations, and maneuvering; the planning of football shows and parades.

461 [460]. PIANO WORKSHOP (3). SS.

462. INSTRUMENTAL WORKSHOP (3). SS.

469 [487]. MUSIC EDUCATION WORKSHOP (3). SS.
Same as Education 469.

Graduate Courses

500 [501]. MUSIC OF BAROQUE AND CLASSICAL PERIODS (3). F;SS.
A comprehensive study of music in western civilization during the Baroque and Classical periods.

501 [503]. MUSIC OF THE ROMANTIC PERIOD (3). W;SS.
A comprehensive study of music in western civliization during the Romantic period.

502 [504, 505]. MUSIC OF THE TWENTIETH CENTURY (3). S; SS.
A comprehensive study of music in western civilization during the present century.

503 [504]. ADVANCED CONDUCTING (3). W; SS.
Emphasis upon the critical examination of both choral and instrumental scores, with the development of conducting skills necessary in securing the desired effects.

504 [501, 502]. ADVANCED INSTRUMENTATION AND BAND ARRANGING (3). On demand;SS.
Arranging music for the school band and orchestra; projects growing out of actual problems involving substitutions of instruments and arrangements of scores.

506 [509]. INDEPENDENT WORK IN COMPOSITION (3). F;W;S;SS.
Directed individual study to meet the needs of the student in the field of composition.

507 [511]. MUSIC IN THE CURRICULUM (3). S;SS.
Music and its place in the elementary school curriculum. For classroom teachers and music specialists.

508 [513]. INSTRUMENTAL ORGANIZATION AND ADMINISTRATION (3). On demand; SS.
Problems of scheduling, housing, purchasing equipment, and financing the school instrumental program.

509 [515]. MUSIC IN JUNIOR HIGH SCHOOL (3). SS.
Current practices and trends in curriculum and instructional materials in junior high school, including choral and instrumental methods.

510-511-512. APPLIED MUSIC (1-1-1). F,W,S,SS.

One 30 minute individual lesson and six practice hours a week. Before being admitted to graduate standing in applied music, the student must demonstrate a graduate level of performance before a music faculty committee.

513-514-515 [507]. APPLIED MUSIC (2-2-2). F,W,S,SS.

Two 30 minute individual lessons and twelve practice hours a week. Before being admitted to graduate standing in applied music, the student must demonstrate a graduate level of performance before a music faculty committee.

516 [517]. MUSIC ACTIVITIES IN THE ELEMENTARY SCHOOL (3). F;SS.

Designed for the classroom teacher and covering a five-point program for children; singing, playing, creating, listening, and rhythmic activities.

517 [519]. MUSIC IN SENIOR HIGH SCHOOL (3). SS.

Study of the broad implications of the function and role of music in the modern high school, including study of music curriculum problems, instructional materials, and methods.

529 [532]. ORGANIZATION AND SUPERVISION OF SCHOOL MUSIC (3). W;SS.

The responsibilities of the music supervisor in relation to the classroom teacher, music teacher, and school administration. Same as Education 529.

530 [533]. INDEPENDENT WORK IN MUSIC EDUCATION (3). F;W;S;SS.

An individually directed study in some phase of music education which meets the needs of the individual. Prerequisite: Education 500. Same as Education 530.

531 [535]. SEMINAR IN MUSIC EDUCATION (3). F;SS.

A review of the philosophy and practice in music education; reading of current studies, articles, books.

550. MASTER OF ARTS THESIS (6). F;W;S.

See Education 550.

MUSIC PERFORMING GROUPS

A major in music must show participation in instrumental and/or choral organizations for a minimum of twelve quarters.

170. MARCHING BAND (1). F.

The Marching Band functions in close co-operation with the althetic association during the football season. Its appearances include pep rallies, half-time shows, parades and several out-of-town performances. Membership is open to all college students who play band instruments. The band has a collection of instruments which are available for use by its members. Rehearsals five hours.

171. CONCERT BAND (1,1). W, S.

The Concert Band forms an integral part of college life and is an all-college organization. Membership is open to all students who play band instruments. The band is a valuable laboratory for instruction in wind instruments. Concerts are given during the year both on the campus and in nearby communities. Rehearsals four hours.

172. COLLEGE CHOIR (1,1,1) . F,W,S.

The Choir is open to all students who have musical talent and who are interested in singing. Opportunity is given for both acompanied and unaccompanied singing, including the study and performance of many fine choral works and styles. Throughout the year the Choir appears in concerts locally and in various cities in the state and adjoining states. Rehearsals three hours.

173. WOMEN'S GLEE CLUB (1,1,1) . F,W,S.

The Women's Glee Club is open to all women students who desire to sing. The Glee Club repertoire consists of choice arangements for girls' voices in two, three, and four parts and is designed to do public program work for special occasions. Rehearsals two hours.

174. COLLEGE SYMPHONY ORCHESTRA (1,1,1) . F,W,S.

The Orchestra is open to all students who have ability and experience in playing any orchestral instrument. Emphasis is placed on securing good ensembles, as well as the technical, dynamic, and interpretive demands of the compositions performed. The Orchestra appears in concert several times during the year. Rehearsals two hours, with additional sectional rehearsals.

175. APPALACHIAN CHORALE (1,1,1) . F,W,S.

The Chorale is composed of sixteen selected voices. Individual tryouts are held at the beginning of each school year to fill vacancies. Throughout the year the group appears in concerts for school and civic affairs in North Carolina and neighboring states. Rehearsals two hours.

176. PIANO ENSEMBLE (1,1,1) . F,W,S.

Supervised study and performance of duo-piano literature. Rehearsals two hours.

SOCIAL STUDIES

J. C. YODER, *Chairman,* H. BURCH, W. H. BURDICK, M. DIXON, E. S. DOUGHERTY, E. H. GIBSON, R. HOOVER, V. C. HOWELL, J. M. JUSTICE, P. E. LOVINGOOD, JR., W. J. MOFFETT, E. MELTON, M. K. POWERS, L. K. PRITCHETT, G. L. SAWYER, J. D. SWINEBROAD, I. VAN NOPPEN.

A major in the Social Studies consists of a minimum of sixty-six quarter hours, including History 201, 202, 203, 305 (3 hours), 306, six hours in the 400 course level, three hours from 301, 302, 303; Economics 201, 202, 203; Geography 102 and three hours from 301, 302, 303; Political Science 201, 301; Sociology 301, and English 301, 302, 303.

A student who plans to certify in Social Studies and a second area should complete History 201, 202, 203, 305 (3 hours), 306, 6 hours in the 400 course level; Economics 201, 202, 203; Geography 102; Political Science 201 and three elective hours; and three elective hours in Sociology.

A major in Social Studies must take the Social Studies Optional Examination of the National Teacher Examination.

ECONOMICS

200. GENERAL ECONOMICS (3) . F.

A survey course of elementary economics designed for non-business and non-social studies majors who plan to take only one course in the field. A brief treatment of the production and distribution of weath in society, money and banking, the organization of business, and international trade. Not open to majors in Business Education and Social Studies.

201, 202, 203 [210]. PRINCIPLES OF ECONOMICS (3,3,3) . F,W,S.

A study of the present day economic system; demand, supply, prices and costs; wages, rent, interest and profit; business cycles, money, banking and the Federal Reserve System; international trade; and a comparison of Capitalism, Socialism, Communism, and Fascism.

302 [304]. PUBLIC FINANCE AND TAXATION (3) . W.

Government revenues, expenditures, budgets, and financing; taxes; shifting and incidence of taxation, public debts and economic effects of government monetary and fiscal policies.

303 [305]. LABOR ECONOMICS (3) . S.

Prerequisite: Economics 201, 202, 203.

304 [312]. INTRODUCTION TO RETAILING (3) . F;W.

401 [402]. PERSONAL FINANCE (3) . W.

Management of personal finances; budgeting, savings and checking accounts, insurance, stocks and bonds, and real estate.

402 [413]. CURRENT ECONOMICS (3) . S.

Discussion of current economic problems of our society; economic effects of proposed legislation; background causes of current problems, and discussion of suggested solutions. Prerequisite: Economics 201, 202, 203.

Senior-Graduate Courses

450. MONEY AND BANKING (3) . S.

How our money and credit instruments are issued and secured; structure and effects of commercial banking and the Federal Reserve system; and impact of monetary and fiscal policy. Prerequisite: Economics 201, 202, 203.

451. HISTORY OF ECONOMIC THOUGHT (3) . W.

To explain the origin, development, and meaning of current economic conflicts in economic theory. A study of mercantilist, classical, neo-classical, and Keynesian economics. Prerequisite: Economics 201, 202, 303.

GEOGRAPHY

101. PRINCIPLES OF GEOGRAPHY (3) . F;W;S.

102. WORLD REGIONS (3) . F;W;S.

103. ECONOMIC AND COMMERCIAL (3) . F;W;S.

301 [308]. GEOGRAPHY OF EUROPE (3) . F.

302 [309]. GEOGRAPHY OF SOUTH AMERICA (3) . W.

303 [310]. GEOGRAPHY OF ASIA (3) . S.

Not offered 1961-62.

304. GEOGRAPHY OF AFRICA (3) . S.

401 [405]. CONSERVATION OF NATURAL RESOURCES (3) . On demand.

Senior-Graduate Courses

450 [406]. GEOGRAPHICAL INFLUENCES IN AMERICAN HISTORY (3) . W.

Graduate Courses

505 [507]. GEOGRAPHY OF NORTH AMERICA (3) . On demand.

506 [516]. GEOGRAPHIC ASPECTS OF WORLD AFFAIRS (3) . On demand.
A geographic analysis of major world movements and events associating the physical environment with social, political, and racial factors.

HISTORY

101, 102, 103 [104, 105, 106]. WESTERN CIVILIZATION (3,3,3) . F,W,S.
A survey of western civilization: Ancient Civilization; Medieval and Early European Civilization; Modern European Civilization.

201, 202, 203. AMERICAN HISTORY (3,3,3) . F,W,S
A study of *American History, 1492-1837; 1837-1880; 1880-to date.*

301, 302, 303. ENGLISH HISTORY (3,3,3) . F,W,S.
A study of the *history of England* to *1485; 1485-1715; 1715-to date.*

304 [308]. ECONOMIC HISTORY OF THE UNITED STATES (3) . On demand.

305 [315]. CURRENT HISTORY (1) . F;W;S.
State, national, and international current events.

306 [318]. NORTH CAROLINA SOCIAL STUDIES (3) . F;W;S.
A study of the geography, history, economic, and social problems of North Carolina.

Senior-Graduate Courses

451 [409]. RECENT UNITED STATES HISTORY (3) . F;W;S.
A study of the history of the United States since 1914.

452, 453 [413, 414]. NORTH CAROLINA HISTORY (3,3) . F,W.
A study of *North Carolina History, 1663-1835; 1835-to date.*

454 [420]. NINETEENTH-CENTURY EUROPE (3) . F.
A study of European civilization from 1815 to 1914.

455 [421]. RECENT EUROPE (3) . W;S.
A study of Europe since 1914.

456 [423]. COLONIAL AMERICA (3) . S.

457 [424]. HISTORY OF MODERN RUSSIA (3) . S.

460. THE MIDDLE AGES (3) . F.

461. RENAISSANCE AND REFORMATION (3) . W.

462, 463, 464. HISTORY OF LATIN AMERICA (3,3,3) . F,W,S.
A survey of the history of Latin America from the conquests to the wars of independence; from the wars of independence to 1900; from 1900 to the present.

465. HISTORY OF THE FAR EAST (3) . SS.

Graduate Courses

500 [501]. HERITAGE OF WESTERN CIVILIZATION (3) . SS.
(Not to be taken by persons with major or minor in social studies, except by permission.)

501 [502]. DETERMINING INFLUENCES IN AMERICAN HISTORY (3) . SS.
(Not to be taken by persons with major or minor in social studies, except by permission.)

502 [504]. FORMATION OF THE AMERICAN UNION (3) . S.
The chief emphasis will be on the period from the Revolutionary Era to about 1800.

503 [505]. CIVIL WAR AND RECONSTRUCTION (3) . S.
Offered in 1962-63.

504 [506]. JACKSONIAN DEMOCRACY (3) . F.

507 [527]. THE OLD SOUTH (3) . W.
The Southern states preceding the Civil War.

508 [537]. THE NEW SOUTH (3) . W.
The Southern states after the Civil War. Offered in 1962-63.

509 [538]. THE WESTWARD MOVEMENT (3) . S.
Offered in 1962-63.

510 [542]. HISTORY OF AMERICAN FOREIGN POLICY (3) . F.

POLITICAL SCIENCE

201. GOVERNMENT OF THE UNITED STATES (3) . F;W;S.

301 [303]. AMERICAN STATE GOVERNMENT (3) . F;W;S.

302 [302]. RECENT POLITICAL THOUGHT (3) . S.

Senior-Graduate Courses

458. WORKSHOP IN INTERNATIONAL RELATIONS (3) . SS.

Graduate Courses

511 [544]. INTERNATIONAL RELATIONS (3) . On demand.

SOCIOLOGY

301 [303]. GENERAL SOCIOLOGY (3) . F;S.

302 [301]. EDUCATIONAL SOCIOLOGY (3) . W.

303 [302]. RURAL SOCIOLOGY (3) . S.

304 [305]. PROPAGANDA (3) . F.

401 [403]. THE FAMILY (3) . F;W;S.

402 [406]. RACE RELATIONS (3) . W.

403 [424]. SOCIAL ORIGINS (3) . On demand.

Senior-Graduate Courses

450 [495]. SOCIAL PATHOLOGY (3) . SS.

451 [496]. SOCIAL PROBLEMS OF THE SOUTHERN REGIONS (3) . SS.

SOCIAL STUDIES

459 [477]. WORKSHOP IN SOCIAL STUDIES EDUCATION (3 or 6) . Ex.
Same as Education 459.

550. MASTER OF ARTS THESIS (6) . F;W;S.
See Education 550.

GRADUATE STUDIES

History

Graduate study leading toward the Master's degree was first offered at Appalachian State Teachers College during the summer of 1942 with fifty-one students enrolled in graduate courses. During the summers of 1942-47 graduate work offered was on a cooperative basis with the University of North Carolina, with that institution giving full credit toward the Master's degree. Beginning with the summer of 1948, Appalachian accepted qualified students as candidates for the Master of Arts degree. On February 26, 1949, graduate study at Appalachian was approved by the American Association of Colleges for Teacher Education.

Graduate Studies, organized to provide facilities for advanced study leading to the Master of Arts degree, offers programs of graduate work during the summer session and the three quarters of the regular session. A maximum of nine quarter hours may be earned in a six-week summer term and fifteen quarter hours in a quarter in the regular session.

Objectives

The primary objective of Graduate Studies is to add to the competency of teachers and other educational workers. Each course offered is justified in terms of the contribution which it makes toward a realization of the general aim of the program and the specific objectives of the individual student. Both functional and scientific in their approach, the objectives of Graduate Studies are to prepare master teachers, supervisors, and administrators. Accordingly, work leading to the Master of Arts degree is designed to prepare teachers for the following types of positions: Superintendent, Principal, General Supervisor, Supervisor of Student Teaching, School Librarian, Secondary School Teacher, Elementary School Teacher, School Counselor, School Musician, Reading Specialist, Junior College Teacher.

Requirements for Admission

Admission to graduate study is based on the following:

1. A baccalaureate degree from a college or university of recognized standing.
2. An undergraduate background appropriate for graduate study in the proposed field. If the student intends to become a candidate for the Master of Arts degree with a major in Education, he must present a minimum of twenty-seven hours of undergraduate credit in Education and related courses. For prerequisites in another field, he should consult the chairman of the graduate advisory committee in that field.
3. An undergraduate academic average of at least *C+*. A student with a lower academic average may, with the permission of the Graduate Council, register for advanced work and upon the satisfactory completion of one quarter of work may make application for admission to graduate study.
4. An application for admission made on a special form, obtainable on request, and submitted with a complete transcript of all previous college work, unless done at Appalachian, at least one month before the candidate plans to begin graduate study.
5. Two reference ratings, one of which must be from a college administrator or the head of the department in the candidate's undergraduate major field of study.
6. Freedom from serious physical, personality, or speech defects.

7. Approval of the chairman of the department or division in which he intends to major, except that the application of one who majors in secondary education shall be approved by the chairman of the department in which he plans to take an academic minor.
8. A record of successful teaching experience or satisfactory completion of student teaching.
9. Unless he intends to prepare for teaching in a junior college, an applicant must hold, or be eligible to hold, a North Carolina *A* teaching certificate in his chosen field or the comparable certificate in another state.
10. A candidate for a bachelor's degree who lacks not more than twelve quarter hours of undergraduate work may take graduate courses to make a total of not more than fifteen quarter hours in a twelve-week term.

Requirements for Admission to Candidacy for the Master's Degree

Admission to graduate study does not carry with it admission to candidacy for the Master's degree. Admission to candidacy for the degree is acted upon after one quarter of graduate study in the College.

1. Admission to candidacy is contingent upon the recommendation of the applicant's advisory committee and the approval of the Graduate Council.
2. Before being accepted as a candidate for the degree, an applicant will be expected to have:
   a. Given evidence of personal and professional fitness to become a candidate for the Master's degree.
   b. Attained a satisfactory level of competency through pre-service or in-service teaching experience.
   c. Demonstrated ability to do satisfactory and creditable work at the graduate level. A student must have at least a *B* average at the time his application for candidacy is presented.
3. Before filing application for admission to candidacy, the applicant shall have taken the National Teacher Examination and the Miller Analogies Test. Admission is contingent upon acceptable scores. The cutoff scores are 523 and 30 respectively.
4. Each student shall file with the Director of Graduate Studies an application for admission to candidacy before the end of the quarter in which he will complete twelve quarter hours of graduate credit at Appalachian. Blanks for this purpose may be obtained from the office of the Director of Graduate Studies. At the time the application is presented, the student shall have completed Education 500 and at least one course in his minor field.
5. The application for admission to candidacy shall be accompanied by a proposed program of study approved by the applicant's adivsory committee and the Director of Graduate Studies. The program of study will include a major of not less than twenty-seven quarter hours in Biology, Business Education, Counseling, Education, English, Library Science, Mathematics, Music, Physical Education, or Social Studies, and a minor of not less than eighteen quarter hours in Education if the proposed major is in a field other than Education.
6. Except for those preparing to teach in junior college, students are required to present a minimum of twenty-seven quarter hours of undergraduate credit in Education and related courses. The applicant's academic field shall be based upon a prerequisite of an undergraduate major in that field. Majors in primary or elementary education, however, may spread the academic minor over as many as four fields.

Requirements for Graduation

The degree of Master of Arts may be conferred upon a student who completes with high credit the program of work submitted to the Graduate Council at the time his application for admission to candidacy was approved. The candidate may, with the approval of his advisory committee and the Graduate Council, elect not to write a thesis. Hence, either of two programs for the degree may be followed.

WITH THESIS:

1. Thirty-nine acceptable quarter hours of graduate course work, exclusive of the thesis, completed in residence at Appalachian.
2. A minimum residence of one academic year or its equivalent in summer session.
3. A thesis in the major field of interest, for which the candidate shall register for credit not exceeding six quarter hours.
4. All graduate credit offered for the degree must have been earned within a limit of six calendar years. By special permission of the Graduate Council, however, a student may validate by examination credit earned within a limit of ten calendar years.
5. Not more than fifteen quarter hours offered toward the degree may be senior-graduate credit.
6. Grades on course work may not average lower than *B*. No graduate course with a grade below *C* will be credited toward the degree.
7. An acceptable performance on a comprehensive examination, either oral or written or both, on the major field is required of every candidate for the degree who begins his graduate work after September 1, 1960. The comprehensive must be scheduled during the last one-third of the residence period and at least ten calendar days prior to the date on which the candidate receives the degree.

WITHOUT THESIS:

1. Fifty-four acceptable quarter hours of graduate course work, forty-five of which must be completed in residence at Appalachian. A candidate may, with the permission of his advisory committee and the approval of the Graduate Council, offer up to nine quarter hours of resident graduate credit from another graduate school or nine quarter hours of graduate extension credit from Appalachian, but in no case may the residence at Appalachian be less than one academic year.
2. A minimum residence of forty-two weeks or its equivalent in summer sessions, except that up to six weeks of residence may be waived if as much as nine hours of extension credit or transfer credit is accepted toward the degree.
3. All graduate credit offered toward the degree must have been earned within a limit of six calendar years, or, if earned within a limit of ten years, validated by examination.
4. For candidates majoring in Education, not more than eighteen quarter hours offered toward the degree may be senior-graduate credit. For candidates completing an academic major of thirty-six hours, up to twenty-four hours of senior-graduate work may be approved, provided that not more than eighteen quarter hours of it is offered in the major.
5. Grades on course work may not average lower than *B*. No graduate course with a grade below *C* will be credited toward the Master's degree.

6. An acceptable performance on a comprehensive examination, either oral or written or both, on the major field is required of every candidate for the degree who begins his graduate work after September 1, 1960. The comprehensive must be scheduled during the last one-third of the residence period and at least ten calendar days prior to the date on which the candidate receives the degree.

THESIS

The subject of the thesis must be within the major field. The thesis should show:

1. Ability of the candidate to work independently on an approved problem.
2. A reasonably wide familiarity with the literature of the field of specialization.
3. A practical working knowledge of research methods.
4. Conclusions supported by data.

The student must have presented a prospectus to his advisory committee and received approval of his proposed topic before he is permitted to register for the thesis. Normally the candidate's advisory committee will constitute his thesis committee, but the chairman of the advisory committee may appoint any member of the graduate faculty of his staff to act as chairman of the thesis committee and to supervise the writing of the thesis.

The latest edition of Campbell's *Form Book for Thesis Writing* is the approved guide for form. With the approval of the Director of Graduate Studies and the thesis committee, the form may be varied to meet the requirements of publishers if the manuscript is to be printed.

At least four weeks (two weeks in the summer session) before he is scheduled to defend his thesis before his examining committee, the candidate must submit a preliminary copy to each member of his committee. Within ten days (five days in the summer session), other members of the committee shall return the thesis to the chairman of the thesis committee with written criticisms and statements of conditional or tentative approval.

Prior to seven calendar days (five in the summer session) before he expects to receive his degree, the candidate will defend his thesis in an oral examination by his committee.

Immediately after approval by the thesis examining committee, four typewritten copies of the thesis, the original and the first three carbons, must be filed in the College Library, together with the costs of having them bound.

Four copies of the approval sheet must be prepared by the student. One copy is bound with each copy of the thesis.

Four copies of an abstract of the thesis must be filed with the thesis after the abstract has been approved by the chairman of the thesis committee. The abstract, not to exceed two typewritten pages, shall give the problem, the procedure, and the conclusions reached in the thesis.

Degrees not Conferred in Absentia

Candidates for the Master of Arts degree are expected to be present at any commencement to receive their degrees in person unless excused in writing by the Director of Graduate Studies.

Fellowships and Assistantships

Appalachian offers approximately fifty fellowships and assistantships for the regular session. Five research fellowships carrying stipends of $1000 each are available to qualified applicants. Half-time fellows and assistants will devote twenty-four hours a week to laboratory instruction or other service to the college. Third-time and quarter-time assistants give proportionately less time to their assistantships. Assistants receive annual stipends of $1200, $900, $600, and $450 respectively and are permitted to carry a quarterly academic load of nine, twelve, and fifteen quarter hours depending upon the classification of the assistantship.

Teaching fellowships are available in the Laboratory Schools and in the College. Departments in which fellows and assistants may work are Biology, Business Education, Education, English, Library Science, Mathematics, Music, Physical Education, and Social Studies. In addition, three or four dormitory counselorships are available.

For the preparation of junior college teachers Appalachian offers a two-year program which combines graduate study with supervised college teaching and leads to the Master of Arts degree and one year of college teaching experience in any one of the following fields: Biology, Business Education, Education, English, Mathematics, Music, and Social Studies. Five appointments in this program are maintained each year. An applicant is required to have at least an average of *B* on his undergraduate work. Teaching experience is desirable. The junior college teaching fellow receives a stipend of $3,000 paid on the basis of $1,000 during the first year and $2,000 during the second.

Anyone wishing to apply for an assistantship or a fellowship should write the Director of Graduate Studies for an application form and return it properly filled out, and should submit a complete transcript of his college work not later than July 1.

Loans

Graduate students who have been admitted to candidacy for the degree are eligible to apply for loans not exceeding $200 a quarter. Preference for these loans, most of which are made available through the National Defense Education Act, is given to graduate students who do not hold fellowships or assistantships. Applications for loans should be submitted to the Chairman of the Committee on Student Scholarships and Financial Aid at least one month before the money is needed.

Internships

In addition to internships in junior college teaching, qualified applicants may serve internships in school administration and in supervision of student teaching. To be eligible for an internship an applicant must:

1. Hold a valid North Carolina *A* certificate or better.
2. Have successfully completed three or more years of teaching with at least one year in the school system in which he plans to do his internship.
3. Have the recommendation of his principal and/or superintendent.
4. Have been admitted to candidacy for or hold the Master's degree.

The following administrative policy governs internships:

1. An applicant for an internship must be working within a reasonable distance of the College.
2. The number of registrants for Education 540 is limited.
3. The intern must work under fully certified supervision.
4. The supervisor must express a willingness to supervise the work and provide the experiences necessary for the intern.
5. No supervisor may be an intern at the time that he is supervising the work of another intern.

An internship in the supervision of student teachers is available to supervising teachers who have successfully supervised at least one student teacher during the past two years. The program, designed to permit teachers to participate while regularly employed in a school system, carries three hours of credit during the college quarter. Further details of this program may be secured from the Office of Student Teaching.

Expenses per Quarter

It is the purpose of the College to hold expenses to the minimum. The charges for one quarter in Graduate Studies are as follows:

	Residents of North Carolina	Non-residents of North Carolina
Registration	15.00	15.00
Library Fee	3.00	3.00
Tuition	55.00	140.00
Cafeteria Meals (minimum)	75.00	75.00
Room (standard)	39.00	39.00
Room (single)	48.00	48.00
Student Welfare and Activities	18.75	18.75
Laundry and Dry Cleaning (minimum)		
Men	12.00	12.00
Women	9.00	9.00
Special Examinations		
Miller Analogies Test	2.00	2.00
National Teacher Examination	9.00	9.00

Graduate students purchase their textbooks and supplies at the College Bookstore.

Extension Classes and Workshops

Based upon requests from the administrators of school systems in northwestern North Carolina, Appalachian offers in-service courses, usually workshops, for teachers and other personnel. The workshop or course is given at a central place in the school unit which has requested the in-service training. For graduate students who register for extension work, up to nine quarter hours of graduate credit may be counted toward the Master's degree. Extension work applied toward the degree will not reduce the minimum residence requirements of thirty-six weeks, but it can be used to replace the six weeks of additional residence required of students who do not write a thesis. The cost of extension work, including tuition and fees, is $30.00 for three hours and $42.00 for six hours.

Saturday and Evening Classes

Appalachian also schedules Saturday graduate courses on campus during the fall and spring quarters. By attending Saturday classes during any one quarter, the graduate student may earn six hours of graduate credit and six weeks of residence. As much as eighteen quarter hours of credit earned in Saturday classes may be applied toward the Master's degree. The cost of Saturday work, including tuition and fees, is $30.00 for three quarter hours and $42.00 for six hours. Books and supplies cost approximately $15.00.

Registration

Graduate students register at the time specified on the college calendar. Initial registration is contingent upon the receipt and approval of transcripts of all work completed in other institutions. Registration material is provided by the office of Graduate Studies. A fee will be charged for late registration; see Special Fees.

Full-Time Resident Student

For full-time resident credit a student must be registered for a minimum of twelve quarter hours (six in summer session) unless he is a graduate fellow or assistant. In no case may a graduate student register for more than fifteen hours a quarter or nine for a summer session.

Auditors

Regular fees are charged for auditing. A student may register as an auditor for a course with the consent of the instructor and the Director of Graduate Studies. Classes audited shall count as part of the student's load, but he will receive no credit and no grade will be assigned. An auditor is expected to be regular in class attendance but may not participate in class discussions unless he is invited to do so. He is not required to take tests and examinations.

Employed Students

Public school teachers employed on a full-time basis may not take more than six quarter hours during any one quarter or a total of twelve quarter hours from September 1 to June 1. A full-time college instructor may not take more than three quarter hours during one registration period.

Independent Study

With the approval of the instructor, the department chairman, and the Director of Graduate Studies, a graduate student who has been admitted to candidacy may register for as much as six quarter hours of independent study. Students registered for independent study must be scheduled for regular conference periods at least weekly.

Changing Majors

A student who has been approved by one department but who wishes to change to another must have the approval of the Director of Graduate Studies and of the department into which he proposes to transfer before the change may be made.

Library Carrells

Library carrells are available to graduate students who are working on theses and special research projects. Applications for carrells are made on a quarterly basis to the Head Librarian.

Grades

The College grading system—*A, B, C, D, F,* and *I*—is used to report the quality of credit. Graduate credit accepted in fulfillment of the requirements for the Master's degree shall average not lower than *B,* and no credit toward the degree shall be granted for a grade below *C.* Course work reported "Incomplete" must be completed within a year of the official ending of the course. A grade of *F* is assigned to a student who arbitrarily discontinues meeting a class or who withdraws without making proper arrangements with the Director of Graduate Studies and the Dean of the College.

Changing Grades

Once an instructor has reported a grade to the Registrar, it cannot be changed except in case of error in reporting or recording. Any change made must also be reported to the Director of Graduate Studies.

Suspension and Dismissal

Appalachian reserves the right to exclude at any time a graduate student whose conduct is deemed improper or prejudicial to the best interest of the College.

A graduate student who fails to maintain grades of at least *B* in half of the courses for which he is registered in any term may not be permitted to re-register as a candidate for the Master's degree. However, a student may petition the Director of Graduate Studies for consideration of extenuating circumstances which may constitute a justifiable exception to this regulation. If the Director of Graduate Studies approves, the student may be permitted to register at his own risk for an additional quarter.

Graduate Advisers

A student working toward the Master of Arts degree should confer with the adviser designated for his particular subject and have his courses and their sequence approved before registering.

Biology ..... F. Ray Derrick
Business Education ..... Orus Sutton
Counseling ..... J. Paul Bagley
English ..... G. P. Eggers
Grammar Grade Education ..... John Howell
Junior College ..... Cratis D. Williams
Library Science ..... Ila M. Justice
Mathematics ..... J. T. C. Wright
Music ..... William G. Spencer
Physical Education ..... Marshall L. Walters
Primary Education ..... Isabel Jones
Reading Specialist ..... Uberto Price
School Administration ..... William E. Fulmer
Social Studies ..... Julian Yoder

Graduate Offerings

Courses which have been approved for graduate credit by the Curriculum Committee and by the Graduate Council constitute the graduate offerings. Majors or minors are provided in Biology, Business Education, Counseling, English, Elementary Education, Junior College Education, Library Science, Mathematics, Music, Physical Education, Primary Education, School Administration, School Supervision, Supervision of Reading, Supervision of Student Teaching, and Social Studies.

Tentative Programs of Instruction

If a student elects not to write a thesis, he will, with the assistance of his advisory committee, select five courses in lieu of the thesis, which may be in Education or in an academic field or both.

Superintendents

EDUCATION 500.	RESEARCH IN EDUCATION	3
EDUCATION 501.	BASIC PRINCIPLES AND TECHNIQUES IN EDUCATION ADMINISTRATION	3
EDUCATION 505.	SUPERVISION OF INSTRUCTION	3
EDUCATION 506.	CURRICULUM CONSTRUCTION: GENERAL PRINCIPLES	3
EDUCATION 510.	EXTRA-CURRICULAR ACTIVITIES	3
EDUCATION 518.	PUBLIC SCHOOL FINANCE	3
EDUCATION 478.	PRINCIPLES OF GUIDANCE IN THE SCHOOL	3
EDUCATION 550.	MASTER OF ARTS THESIS	6
ACADEMIC MINOR		18

Principals

Prerequisites: A high scholastic average in undergraduate work; a North Carolina *A* certificate or its equivalent from another state; a minimum of three years of successful teaching experience.

EDUCATION 500.	RESEARCH IN EDUCATION	3
EDUCATION 502.	ORGANIZATION AND ADMINISTRATION OF SECONDARY SCHOOLS	3
EDUCATION 504.	ELEMENTARY SCHOOL ORGANIZATION AND ADMINISTRATION	3
EDUCATION 505.	SUPERVISION OF INSTRUCTION	3
EDUCATION 506.	CURRICULUM CONSTRUCTION: GENERAL PRINCIPLES	3
EDUCATION 478.	PRINCIPLES OF GUIDANCE IN THE SCHOOL	3
EDUCATION 550.	MASTER OF ARTS THESIS	6
EDUCATION ELECTIVES		3
ACADEMIC MINOR		18

General Supervisors

EDUCATION 500.	RESEARCH IN EDUCATION	3
EDUCATION 467.	CORRELATING TEACHING WITH THE LIBRARY	3
EDUCATION 502.	ORGANIZATION AND ADMINISTRATION OF SECONDARY SCHOOLS	3
OR		
EDUCATION 504.	ELEMENTARY SCHOOL ORGANIZATION AND ADMINISTRATION	3
EDUCATION 505.	SUPERVISION OF INSTRUCTION	3
EDUCATION 506.	CURRICULUM CONSTRUCTION: GENERAL PRINCIPLES	3
EDUCATION 507.	GROWTH AND DEVELOPMENT OF THE SCHOOL CHILD	3
EDUCATION 517.	COUNTY AND CITY SCHOOL SUPERVISION	3
EDUCATION 550.	MASTER OF ARTS THESIS	6
ACADEMIC MINOR		18

Supervisors of Student Teaching

EDUCATION 500.	RESEARCH IN EDUCATION	3
EDUCATION 467.	CORRELATING TEACHING WITH THE LIBRARY	3
EDUCATION 507.	GROWTH AND DEVELOPMENT OF THE SCHOOL CHILD	3
EDUCATION 509.	USE AND INTERPRETATION OF EDUCATIONAL TESTS AND MEASUREMENTS	3
EDUCATION 515.	ORGANIZATION AND SUPERVISION OF STUDENT TEACHING	3
EDUCATION 516.	ACTIVITIES AND TECHNIQUES OF THE SUPERVISION OF STUDENT TEACHING	3
EDUCATION 550.	MASTER OF ARTS THESIS	6
EDUCATION ELECTIVES		3
ACADEMIC MINOR		18

Librarians

Prerequisite: A minimum of twenty-seven hours in Library Science.

LIBRARY SCIENCE 451.	ADVANCED BOOK SELECTION	3
LIBRARY SCIENCE 452.	ADVANCED BOOK SELECTION	3
LIBRARY SCIENCE 500.	USE OF MATERIALS WITH PUPIL AND TEACHERS	3
LIBRARY SCIENCE 503.	READING INTERESTS AND GUIDANCE	3
LIBRARY SCIENCE ELECTIVES		6
EDUCATION 478.	PRINCIPLES OF GUIDANCE IN THE SCHOOL	3
EDUCATION 500.	RESEARCH IN EDUCATION	3
EDUCATION 506.	CURRICULUM CONSTRUCTION: GENERAL PRINCIPLES	3
EDUCATION 511.	INVESTIGATIONS IN READING	3
EDUCATION 550.	MASTER OF ARTS THESIS	6
EDUCATION ELECTIVES		3

The fifteen elective hours in Library Science may be taken from Library Science 450, 453, 454, 455, 501, 502, 504, 505, 506, 507, 508, 509.

Elementary School Teachers

EDUCATION 467.	CORRELATING TEACHING WITH THE LIBRARY	3
EDUCATION 500.	RESEARCH IN EDUCATION	3
EDUCATION 511.	INVESTIGATIONS IN READING	3
EDUCATION 506.	CURRICULUM CONSTRUCTION: GENERAL PRINCIPLES	3
EDUCATION 507.	GROWTH AND DEVELOPMENT OF THE SCHOOL CHILD	3
EDUCATION 509.	USE AND INTERPRETATION OF EDUCATIONAL TESTS AND MEASUREMENTS	3
EDUCATION 550.	MASTER OF ARTS THESIS	6
EDUCATION ELECTIVES		3
ACADEMIC MINOR		18

The academic minor for elementary teachers may include work from one or as many as four fields of study.

Secondary School Teachers

EDUCATION 467.	CORRELATING TEACHING WITH THE LIBRARY	3
EDUCATION 500.	RESEARCH IN EDUCATION	3
EDUCATION 506.	CURRICULUM CONSTRUCTION: GENERAL PRINCIPLES	3
EDUCATION 509.	USE AND INTERPRETATION OF EDUCATIONAL TESTS AND MEASUREMENTS	3
EDUCATION 510.	EXTRA-CURRICULAR ACTIVITIES	3
EDUCATION 478.	PRINCIPLES OF GUIDANCE IN THE SCHOOL	3
EDUCATION 550.	MASTER OF ARTS THESIS	6
EDUCATION ELECTIVES		3
ACADEMIC MINOR		18

Music Teachers and Music Supervisors

Prerequisite: *A* certificate in Music or the equivalent.

MUSIC 500.	MUSIC OF BAROQUE AND CLASSICAL PERIODS	3
MUSIC 501.	MUSIC OF THE ROMANTIC PERIOD	3
MUSIC 502.	MUSIC OF THE TWENTIETH CENTURY	3
MUSIC 503.	ADVANCED CONDUCTING	3
MUSIC ELECTIVES		15
EDUCATION 500.	RESEARCH IN EDUCATION	3
EDUCATION 506.	CURRICULUM CONSTRUCTION: GENERAL PRINCIPLES	3
EDUCATION 529.	THE ORGANIZATION AND SUPERVISION OF SCHOOL MUSIC	3
EDUCATION 531.	SEMINAR IN MUSIC EDUCATION	3
EDUCATION 550.	MASTER OF ARTS THESIS	6

School Counselors

Prerequisites: High scholastic average in undergraduate work; *A* certificate; at least three years of successful teaching experience or equivalent.

EDUCATION 500.	RESEARCH IN EDUCATION	3
EDUCATION 478.	PRINCIPLES OF GUIDANCE IN THE SCHOOL	3
EDUCATION 509.	USE AND INTERPRETATION OF EDUCATIONAL TESTS AND MEASUREMENTS	3
EDUCATION 519.	ANALYSIS OF THE INDIVIDUAL	3
EDUCATION 520.	OCCUPATIONAL AND EDUCATIONAL INFORMATION	3
EDUCATION 521.	PRACTICUM IN COUNSELING	6
EDUCATION 522.	TOOLS AND TECHNIQUES OF GUIDANCE	3
EDUCATION 523.	ORGANIZATION AND ADMINISTRATION OF GUIDANCE SERVICES	3
EDUCATION 526.	GROUP METHODS IN GUIDANCE	3
EDUCATION 527.	PSYCHOLOGICAL AND DIAGNOSTIC TESTING	3
PSYCHOLOGY 450.	PSYCHOLOGY OF PERSONAL ADJUSTMENT	3
ELECTIVES IN EDUCATION, PSYCHOLOGY, SOCIOLOGY		3
EDUCATION 550.	MASTER OF ARTS THESIS	6

Junior College Teachers

EDUCATION 500.	RESEARCH IN EDUCATION	3
EDUCATION 542.	JUNIOR COLLEGE INSTRUCTION PROGRAM	3
EDUCATION 545.	PRACTICUM IN JUNIOR COLLEGE TEACHING	3
EDUCATION 550.	MASTER OF ARTS THESIS	6
ACADEMIC MAJOR		27
ELECTIVES		3

Reading Specialists in Elementary and Secondary Schools

A graduate student who plans to pursue the curriculum for the Reading Specialist in Elementary or Secondary Schools must have had basic preparation in the foundations of reading instruction and reading in the primary grades, grammar grades, or high school.

The curriculum for the reading specialist in the elementary and secondary school is as follows:

EDUCATION 467.	CORRELATING TEACHING WITH THE LIBRARY	3
EDUCATION 500.	RESEARCH IN EDUCATION	3
EDUCATION 506.	CURRICULUM CONSTRUCTION: GENERAL PRINCIPLES	3
EDUCATION 507.	GROWTH AND DEVELOPMENT OF THE SCHOOL CHILD *	
	OR	
EDUCATION 478.	PRINCIPLES OF GUIDANCE IN THE SCHOOL **	3
EDUCATION 509.	USE AND INTERPRETATION OF EDUCATIONAL TESTS AND MEASUREMENTS	3
EDUCATION 462.	READING IN HIGH SCHOOL ** (ELECTIVE FOR ELEMENTARY SCHOOL)	3
EDUCATION 464.	WORKSHOP IN TEACHING OF READING	
	OR	
EDUCATION 477.	TEACHING OF READING	3
EDUCATION 472-473.	DIAGNOSTIC AND REMEDIAL READING	3 or 6
EDUCATION 508.	REMEDIAL READING	3
EDUCATION 511.	INVESTIGATIONS IN READING	3
EDUCATION 551.	FIELD EXPERIENCE IN TEACHING READING	3-9
EDUCATION 548.	INDEPENDENT STUDY (WITH PERMISSION)	3 or 6
ACADEMIC MINOR		18

* Required for Elementary School.
** Required for Secondary School.

SUMMARY OF ENROLLMENT, 1960-1961

Summer Session, 1960

First term	1871
Second term	1620
Total number enrolled	3491

Fall Quarter

Freshmen	875
Sophomores	531
Juniors	427
Seniors	352
Special	16
Graduates	266
Extension	117
Total number enrolled	2584

Winter Quarter

Freshmen	803
Sophomores	521
Juniors	377
Seniors	356
Special	3
Graduates	70
Extension	174
Total number enrolled	2304

Spring Quarter

Freshmen	740
Sophomores	437
Juniors	364
Seniors	401
Special	19
Graduates	297
Extension	202
Total number enrolled	2458
Total number enrolled during the year	3102

Degrees Conferred

	June, 1960	August, 1960
Bachelor of Science	312	125
Master of Arts	43	153
Total number of degrees conferred	355	278

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REGISTRATION SCHEDULES

1961-1962

FALL QUARTER

8:30 to 9:30	L through N
9:30 to 10:30	Cl through Greene
10:30 to 11:30	A through Ch
1:00 to 2:00	Greer through K
2:00 to 3:00	T through Z
3:00 to 4:00	O through S
4:00 to 5:00	Late arrivals and special cases

WINTER QUARTER

8:30 to 9:30	Cl through Greene
9:30 to 10:30	A through Ch
10:30 to 11:30	Greer through K
1:00 to 2:00	T through Z
2:00 to 3:00	O through S
3:00 to 4:00	L through N
4:00 to 5:00	Late arrivals and special cases

SPRING QUARTER

8:30 to 9:30	A through Ch
9:30 to 10:30	Greer through K
10:30 to 11:30	T through Z
1:00 to 2:00	O through S
2:00 to 3:00	L through N
3:00 to 4:00	Cl through Greene
4:00 to 5:00	Late arrivals and special cases

◀ FACULTY

◀ STUDENT LIFE

◀ ADMISSIONS

◀ EXPENSES

◀ ACADEMIC REQUIREMENTS AND REGULATIONS

◀ PROGRAMS OF INSTRUCTION

◀ COURSES OF INSTRUCTION

◀ ART—BIOLOGY

◀ BUSINESS EDUCATION—CHEMISTRY

◀ EDUCATION AND PSYCHOLOGY

◀ ENGLISH—FOREIGN LANGUAGES

◀ HEALTH AND PHYSICAL EDUCATION

◀ HOME ECONOMICS—LIBRARY SCIENCE

◀ MATHEMATICS

◀ MUSIC

◀ SOCIAL STUDIES

◀ GRADUATE STUDIES